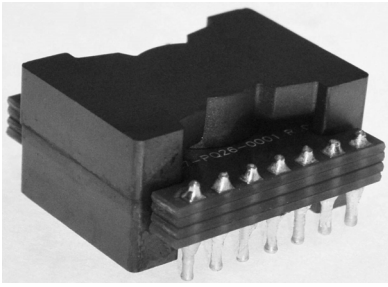


Wide Input Range & Offline Active Clamp Forward : 38-400Vin to 12V, 24V, 28V, 48V, 80 Vout & 140-196W



- Footprint: 27 wide x 32.7 mm length x 15 mm Height
- Meets UL and IEC 60950-1 Clearance/Creepage Class II, Reinforced Insulation, Peak Working Voltage 1400Vpk
- Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV.
- Derived from customer verification in Analog / Linear Ref Design using LT3752 & LT8311 ICs.
- Optimized for Active Clamp Forward Topology & Wide Input Range.
- Typical Efficiency 94-95%. Typical Temperature Rise 45-65C above ambient
- Available with Thermal Pad and Heat Sink affording lower Temperature Rise.
- Lowest achievable volume for AC offline applications including lowest achievable Leakage Inductance.
- Multilayer PCB optimization for lowest AC resistance & Proximity Loss Effect. Repeatability by design.
- Wide variety of PNs, Designs and Turns Ratios in stock. If not listed, Contact Us.
- Surface Mount, Thru-Hole, Pad-to-Pad, Embedded Planar Windings as Options.

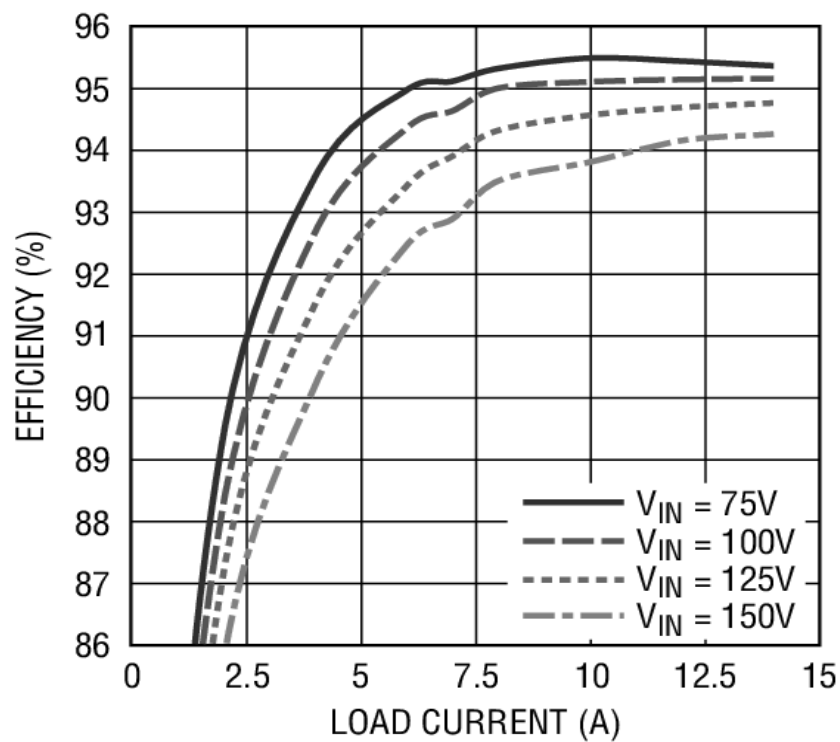
Champs-Tech P26R6-AC_Offline Catalog

Table I: P26R6-AC_Offline Series 38-430 Vin -- Rated to 140-196W Output.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A _{dc})	Pout (Watts)	Freq (KHz)	Output Inductor PN
P26R6-AC-0603-130R	38	180	12	13.4	160	136	PQI2050-17-14-LTC
P26R6-AC-0606-130R	38	180	24	6.0	144	136	PQA2050-75-7-LTC
P26R6-AC-0607-130R	38	180	28	5.0	140	136	PQA2050-90-LTC
P26R6-AC-0612-130R	38	180	48	3.0	144	136	PQI26-330-LTC
P26R6-AC-0803-200R	50	160	12	12	144	136	PQI2050-17-14-LTC
P26R6-AC-0806-200R	50	160	24	6.0	144	136	PQA2050-75-7-LTC
P26R6-AC-0807-200R	50	160	28	5.0	140	136	PQA2050-90-LTC
P26R6-AC-0812-200R	50	160	48	3.0	144	136	PQI26-330-LTC
P26R6-AC-2004-1M	88	400	12	12	144	100	PQI26-25R-18-HX
P26R6-AC-2006-1M	88	400	18	8.0	144	100	PQI26-58R-10-LTC
P26R6-AC-2008-1M	88	400	24	6.0	144	100	PQI26-130-LTC
P26R6-AC-2010-1M	88	400	28	5.0	140	100	PQI26-155-LTC
P26R6-AC-2016-1M	88	400	48	3.0	144	100	PQI26-330-LTC
P26R6-AC-2604-1M2	150	400	12	15	180	100	PQI26-18R-16-HX
P26R6-AC-2608-1M2	150	400	24	7.5	180	100	PQI26-78R-LTC
P26R6-AC-2610-1M2	150	400	28	5.0	140	100	PQI26-155-LTC
P26R6-AC-2616-1M2	150	400	48	3.5	168	100	PQI26-330-LTC
P26R6-AC-3203-2M	270	400	12	15	180	130	PQI26-15R-17-HX
P26R6-AC-3206-2M	270	400	24	8.0	192	130	PQI26-54R-11-LTC
P26R6-AC-3207-2M	270	400	28	7.0	196	130	PQI26-68R-LTC
P26R6-AC-3212-2M	270	400	48	4.0	192	130	PQI26-220-LTC

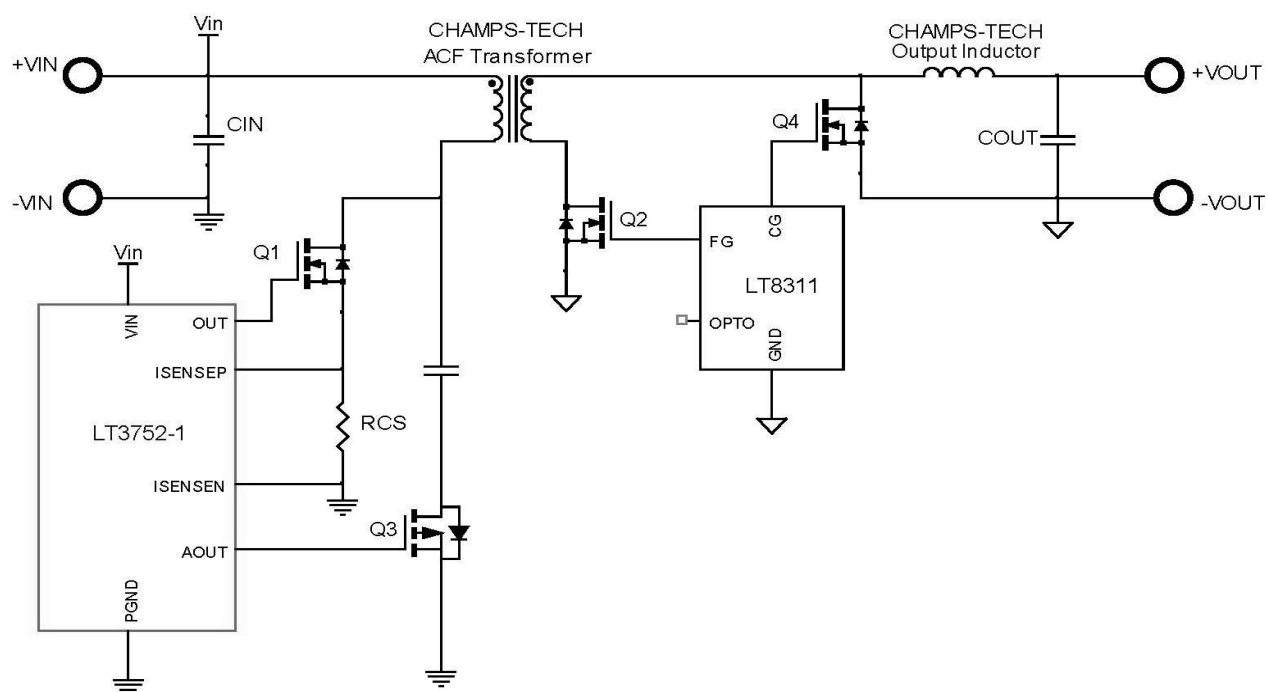
Baseline Reference Design:

<https://www.analog.com/en/design-center/reference-designs/circuit-collections/lt3752-75v-to-150v-24v-14a-340w-no-opto-active-clamp-isolated-forward-converter.html#cc-overview>



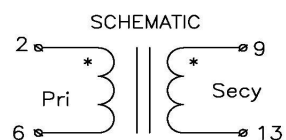
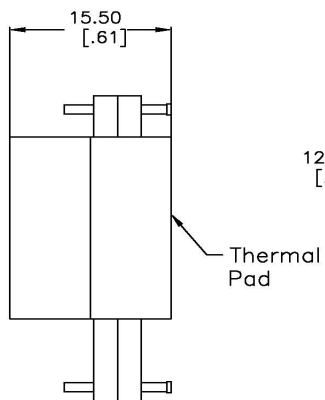
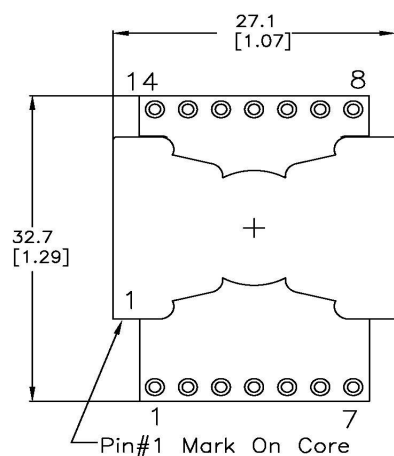
3752 TA08b

Typical Efficiency Curve

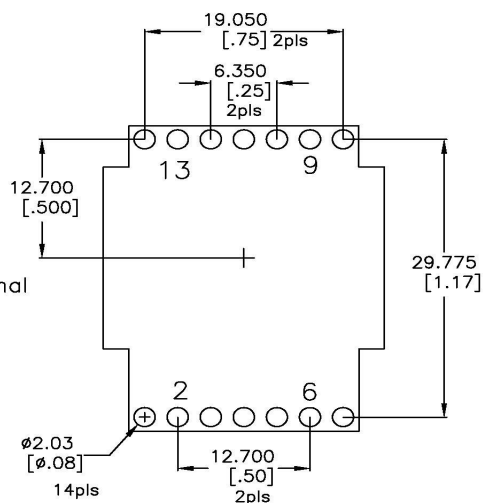


Basic Active Clamp Forward Schematic

MECHANICAL DIMENSIONS [TOP VIEW]

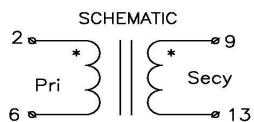
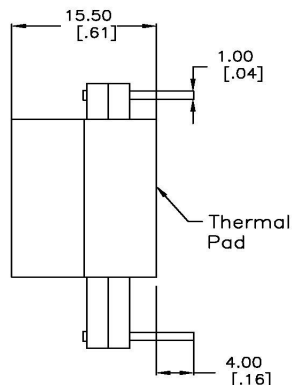
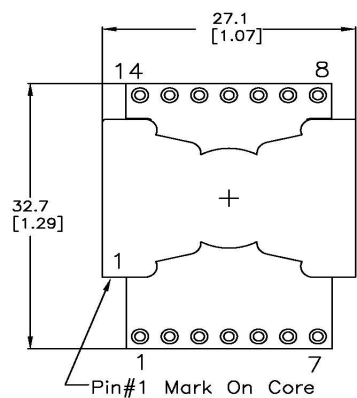


SUGGESTED PAD LAYOUT [PCB TOP VIEW]

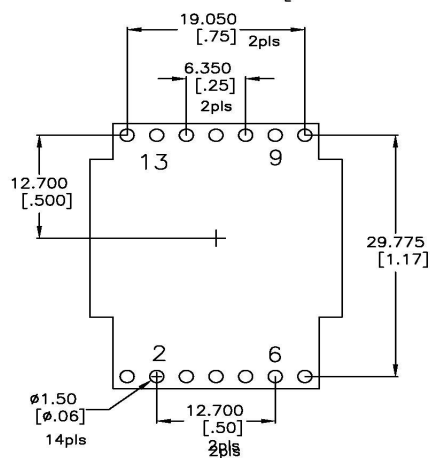


Mechanical Dimensions Drawing P26R6-AC Surface Mount

MECHANICAL DIMENSIONS [TOP VIEW]



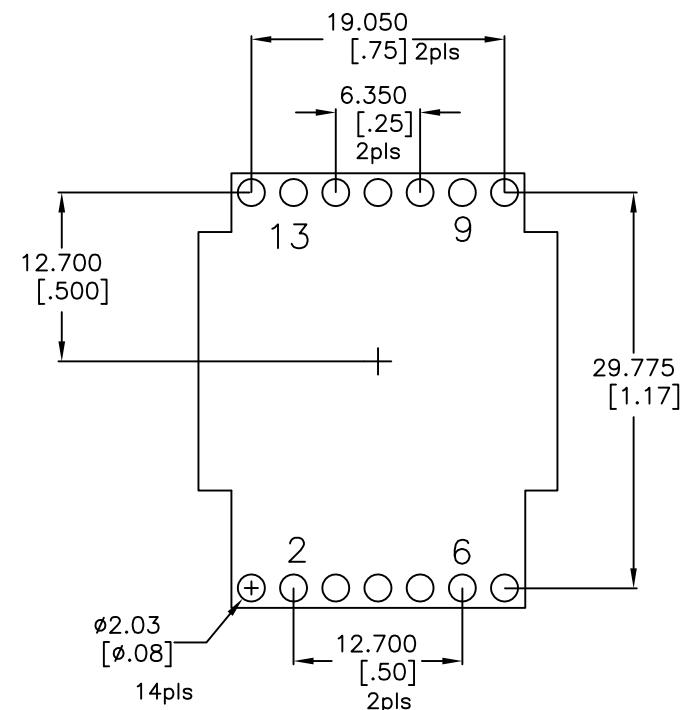
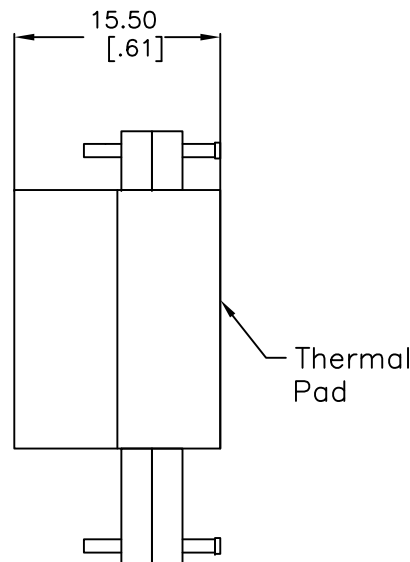
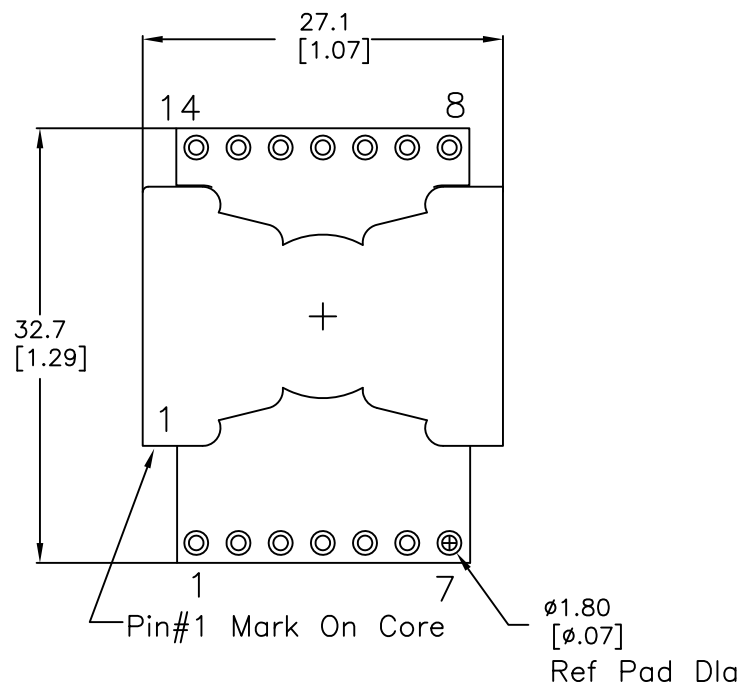
SUGGESTED THRU-HOLE LAYOUT [PCB TOP VIEW]



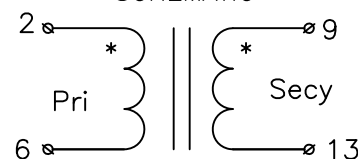
Mechanical Dimensions Drawing P26R6-AC Thru-Hole

MECHANICAL DIMENSIONS [TOP VIEW]

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

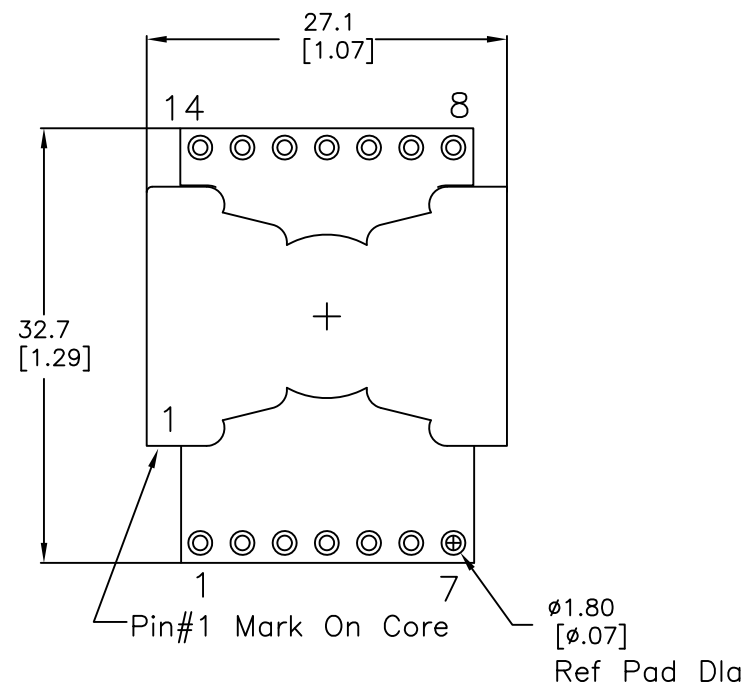


Electrical Information:

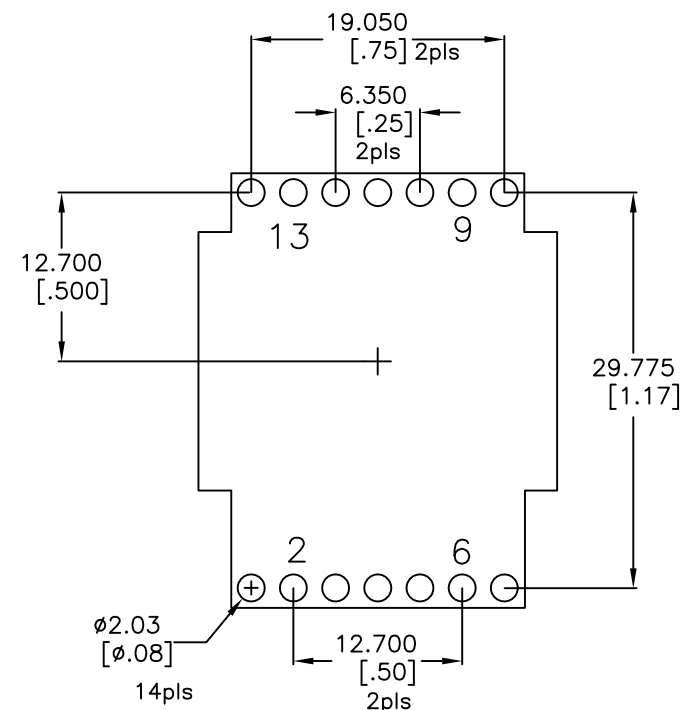
1. TURNS RATIO [9-13] : [2-6] = 0.50 $\pm$ 2%
2. INDUCTANCE [2-6] = 130 μ H Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 13 mohms Nom, DCR [9-13] = 3.3 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom, @100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0603-130R-TP
.XXX $\pm$ 0.254	DRAWN		04.25.19	Customer
.XX $\pm$ 0.54	CHKD			Part #:
.X $\pm$ 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE $\pm$				ISSUE A REV 00

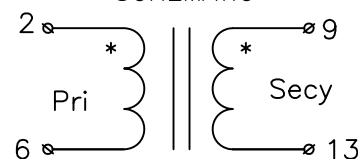
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

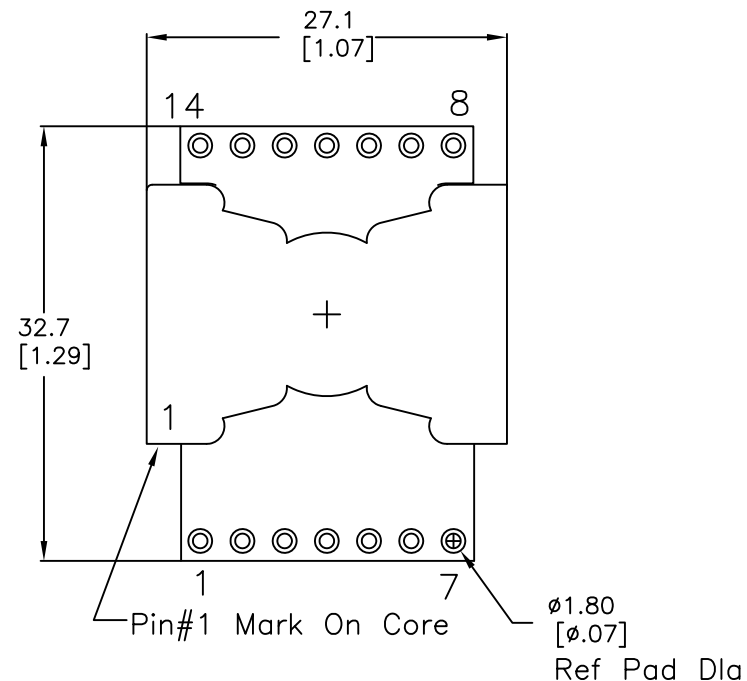


Electrical Information:

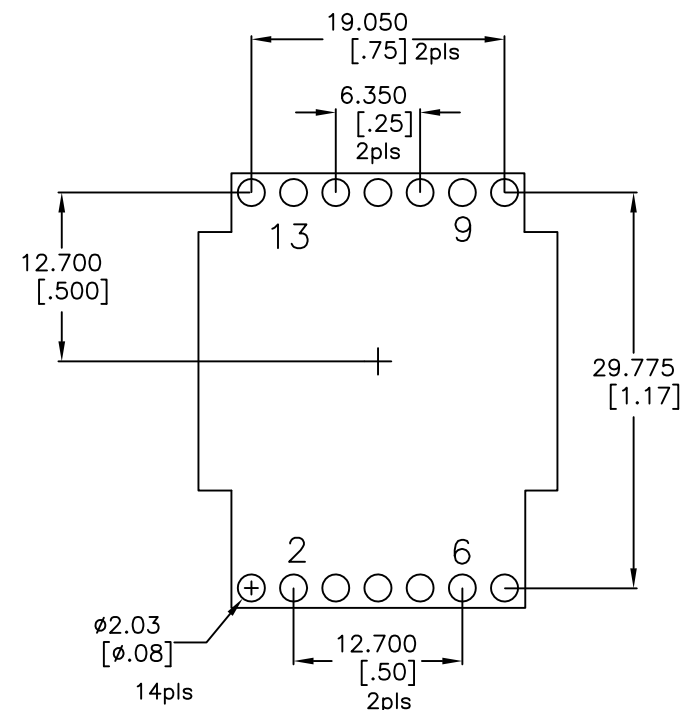
1. TURNS RATIO [9-13] : [2-6] = 1.0 ±2%
2. INDUCTANCE [2-6] = 130 uH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 13.0 mohms Nom, DCR [9-13] = 13.0 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0606-130R-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

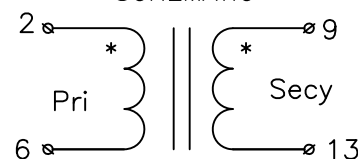
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

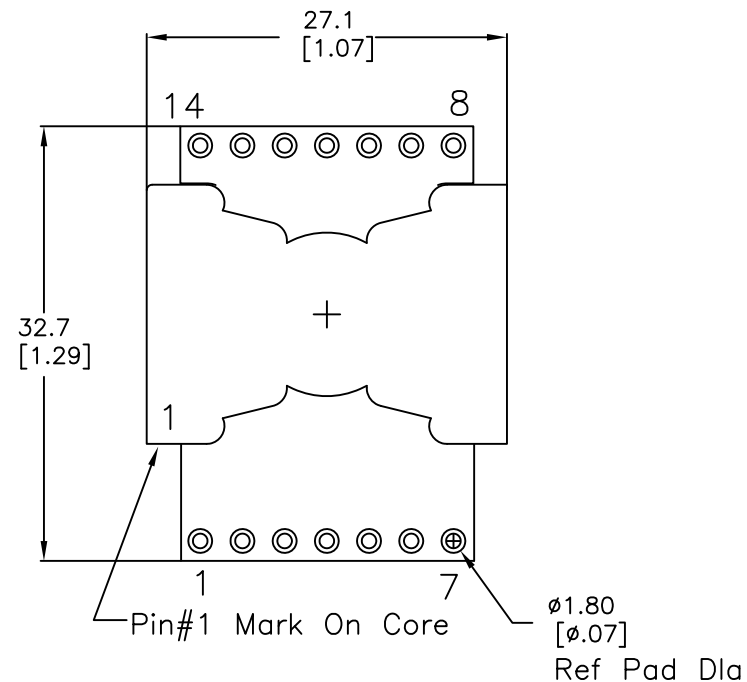


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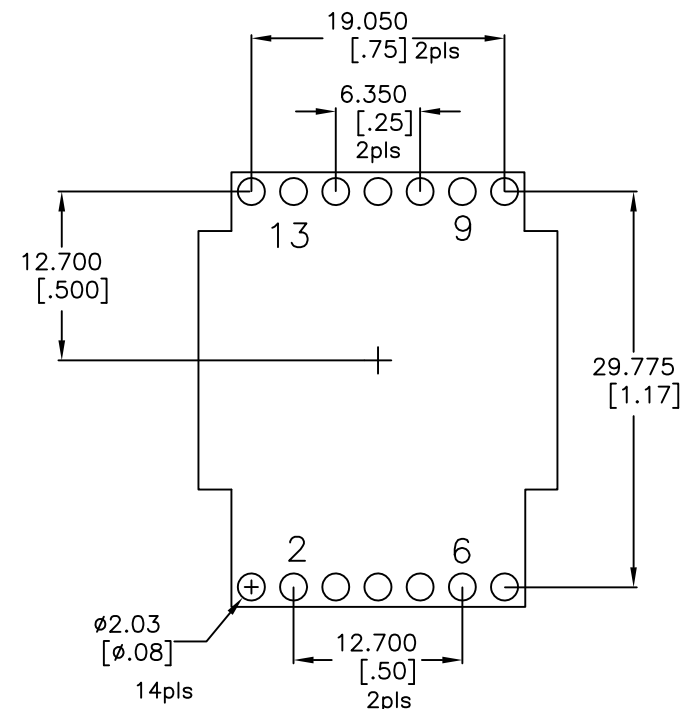
1. TURNS RATIO [2-6] : [9-13]= 0.857 ±2%
2. INDUCTANCE [2-6] = 130 uH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 13.0 mohms Nom, DCR [9-13] = 17.0 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0607-130R-TP
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.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

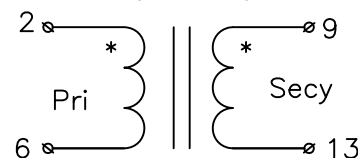
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

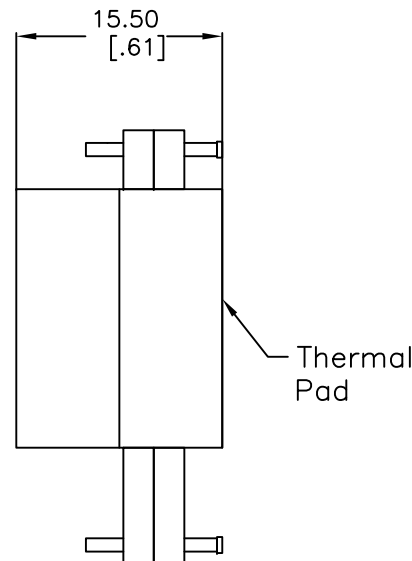
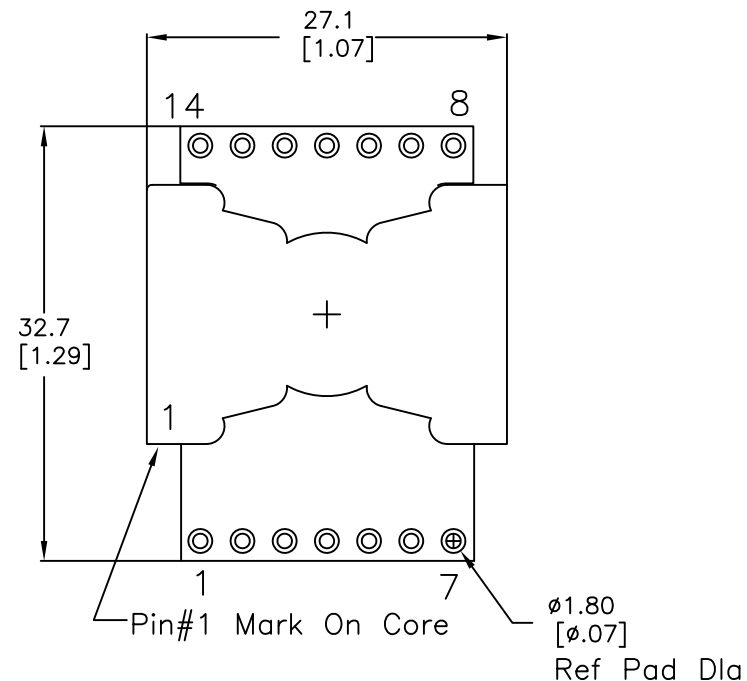


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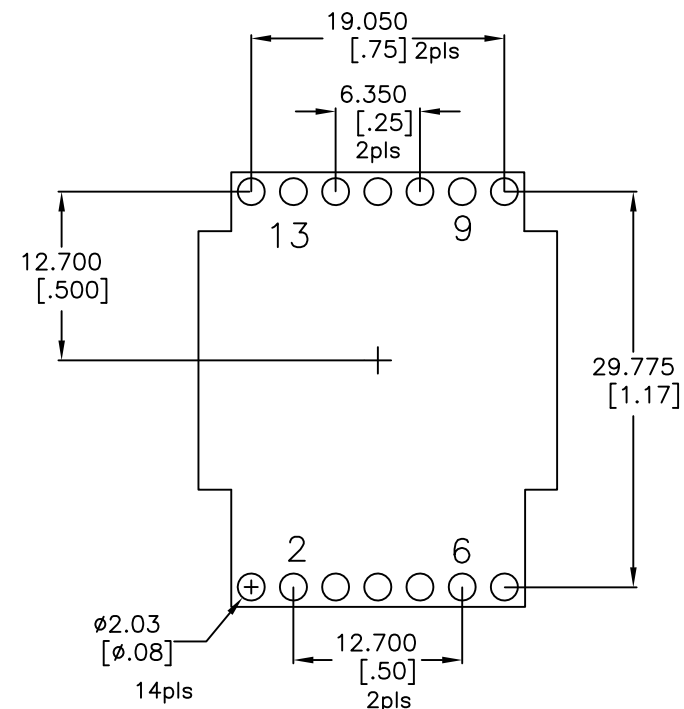
1. TURNS RATIO [2-6] : [9-13]= 0.50 ±2%
2. INDUCTANCE [2-6] = 130 uH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 13.0 mohms Nom, DCR [9-13] = 42 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0612-130R-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

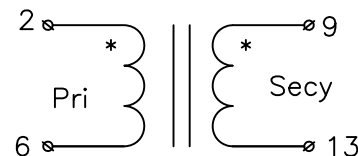
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC



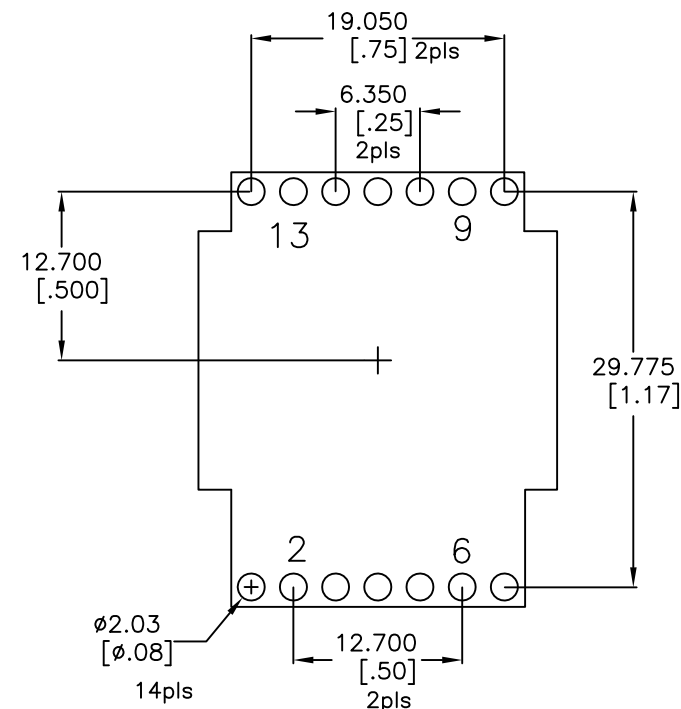
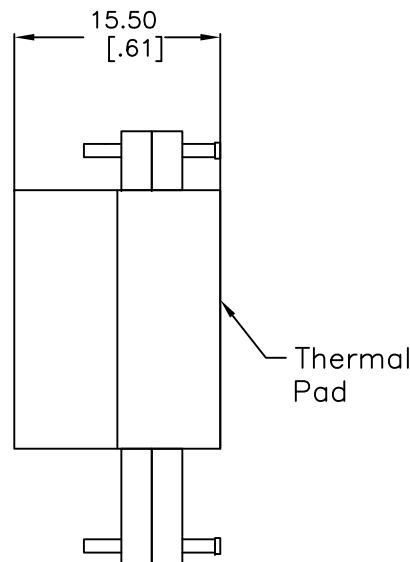
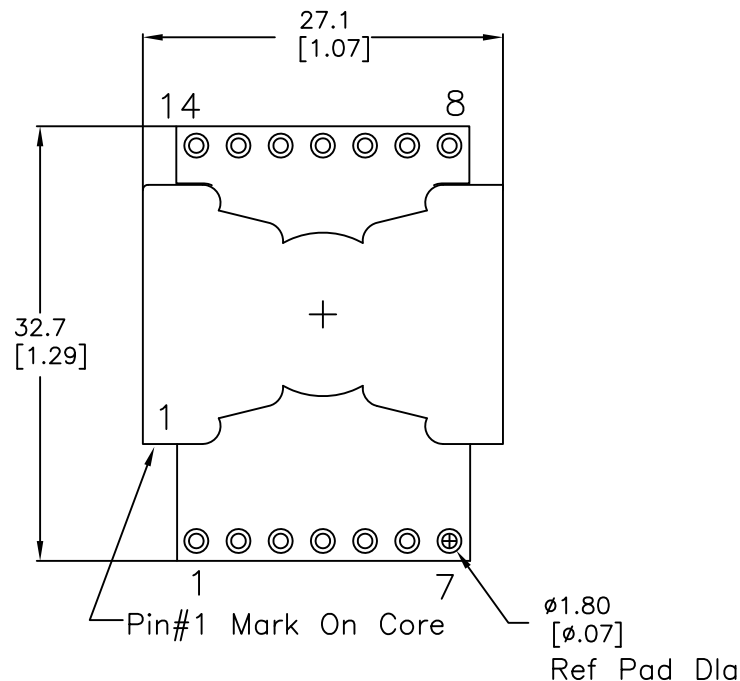
Electrical Information:

1. TURNS RATIO [9-13] : [2-6] = 0.375 $\pm$ 2%
2. INDUCTANCE [2-6] = 200 μ H Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 20.8 mohms Nom, DCR [9-13] = 3.3 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

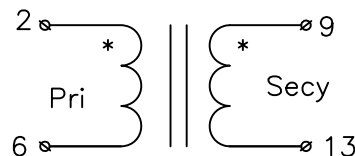
No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0803-200R-TP
.XXX $\pm$ 0.254	DRAWN		04.25.19	Customer
.XX $\pm$ 0.54	CHKD			Part #:
.X $\pm$ 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE $\pm$				ISSUE A REV 00

MECHANICAL DIMENSIONS [TOP VIEW]

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

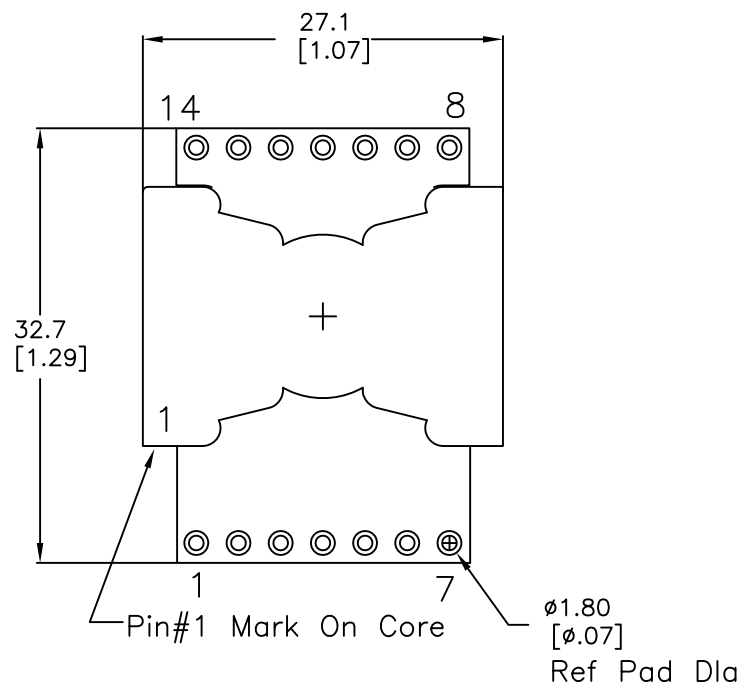


Electrical Information:

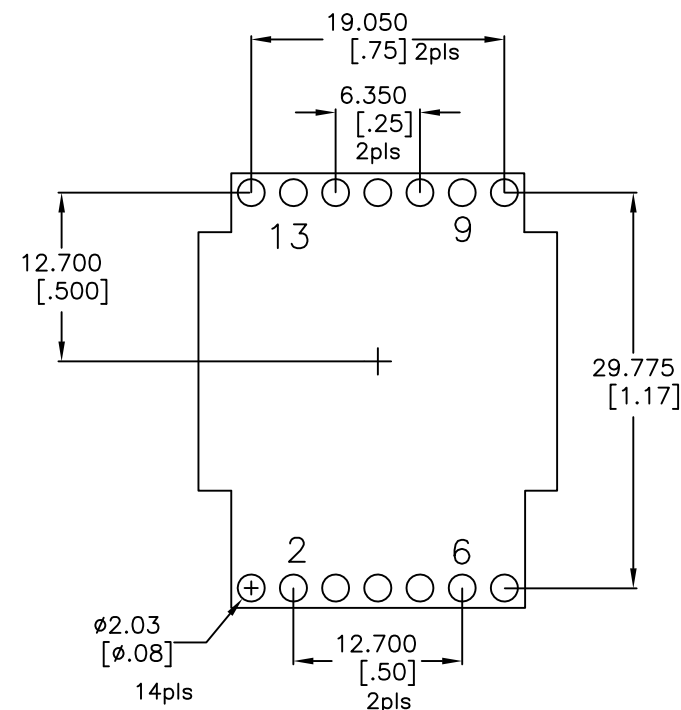
1. TURNS RATIO [9-13] : [2-6] = 0.75 $\pm$ 2%
2. INDUCTANCE [2-6] = 200 μ H Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 20.8 mohms Nom, DCR [9-13] = 13 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0806-200R-TP
.XXX $\pm$ 0.254	DRAWN		04.25.19	Customer
.XX $\pm$ 0.54	CHKD			Part #:
.X $\pm$ 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE $\pm$				ISSUE A REV 00

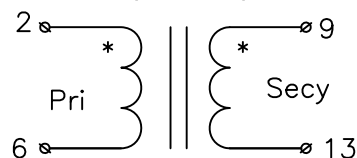
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

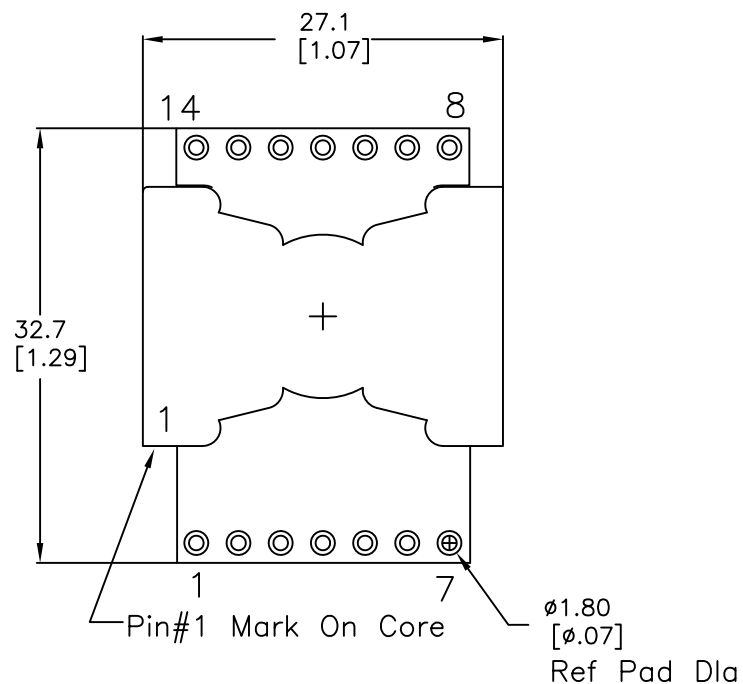


Electrical Information:

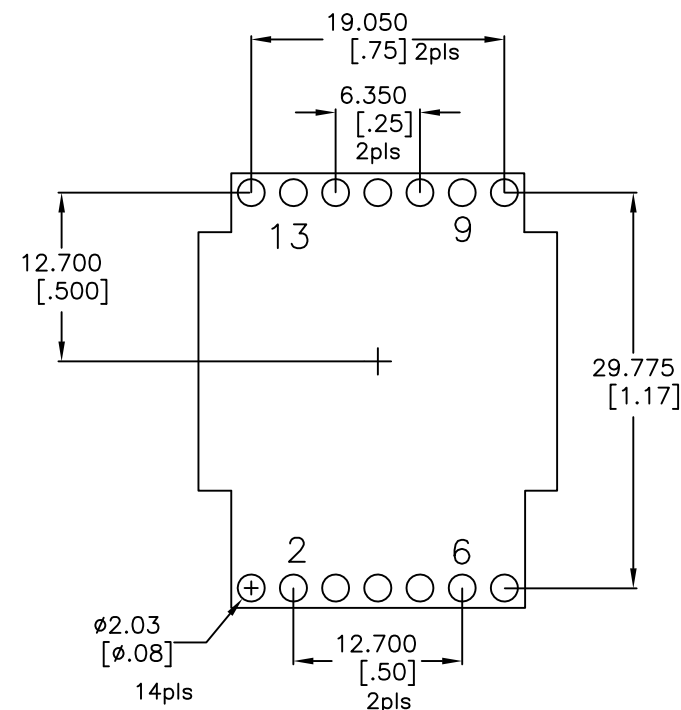
1. TURNS RATIO [9-13] : [2-6] = 0.875 $\pm$ 2%
2. INDUCTANCE [2-6] = 200 μ H Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 20.8 mohms Nom, DCR [9-13] = 16.2 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.		DESCRIPTION		REVISIONS		DATE	
THIRD ANGLE PROJECTION		CHAMPS TECHNOLOGIES					
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0807-200R-TP			
DRAWN			04.25.19	Customer			ISSUE
.XXX ± 0.254				Part #:			REV
.XX ± 0.54		CHKD					A
.X ± 0.78							OC
ANGLE ±		APPR		SIZE A4	SCALE 2:1		

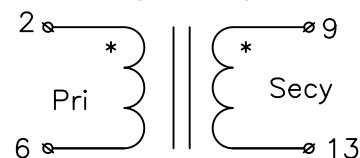
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

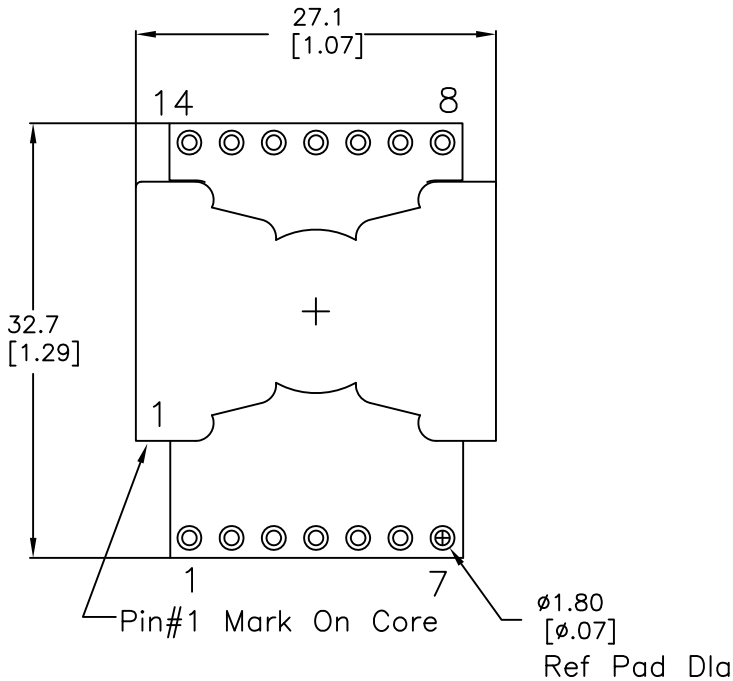


Electrical Information:

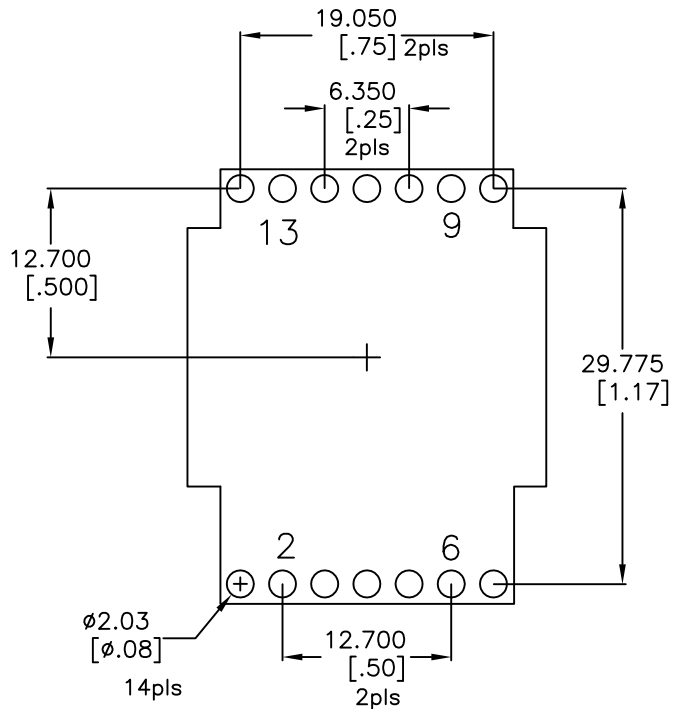
1. TURNS RATIO [2-6] : [9-13]= 0.67 ±2%
2. INDUCTANCE [2-6] = 200 uH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 50 nH Nom @100kHz
4. DCR [2-6] = 20.8 mohms Nom, DCR [9-13] = 56 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION			REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION	CHAMPS TECHNOLOGIES					
	TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-0812-200R-TP	
	DRAWN		04.25.19	Customer		
	CHKD			Part #:		
	APPR			SIZE A4	SCALE 2:1	
	.XXX ± 0.254				ISSUE A	REV OC
	.XX ± 0.54					
	.X ± 0.78					
	ANGLE ±					

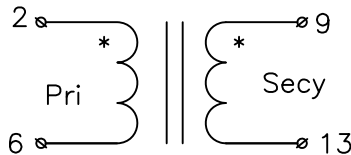
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]

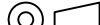


SCHEMATIC

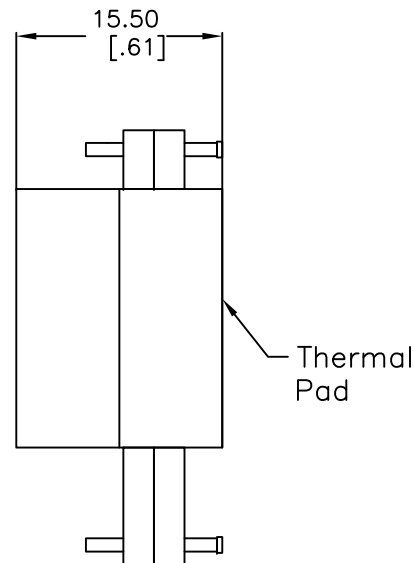
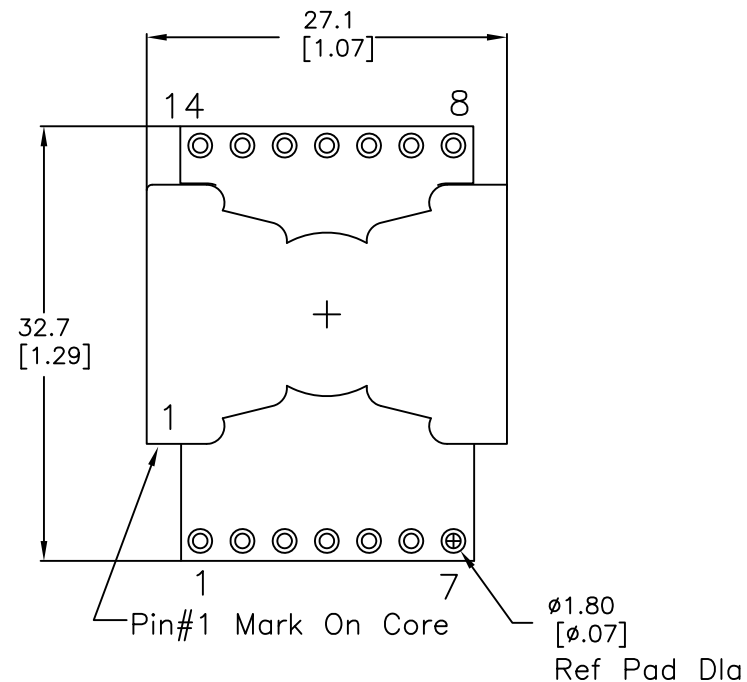


Electrical Information:

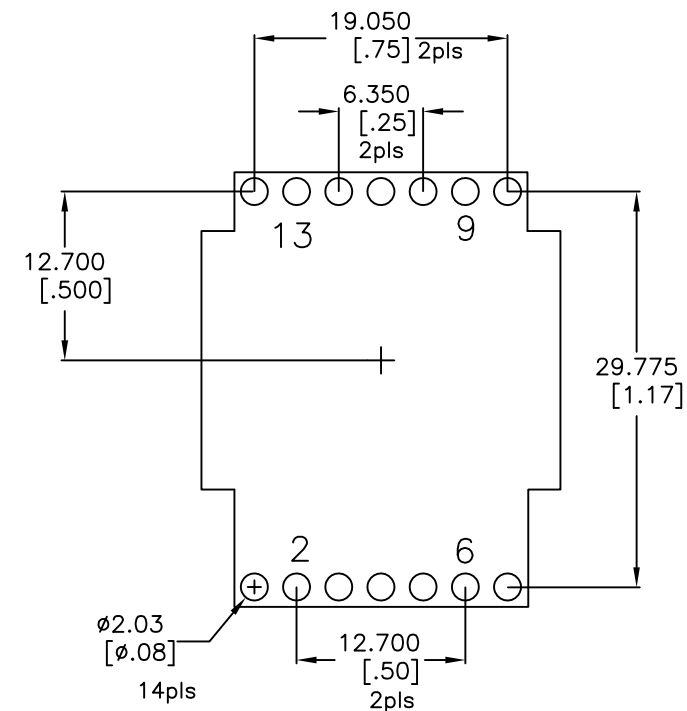
1. TURNS RATIO [9-13] : [2-6] = 0.20 $\pm$ 2%
2. INDUCTANCE [2-6] = 1.0 mH Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 2.0 μ H Nom @100kHz
4. DCR [2-6] = 160 mohms Nom, DCR [9-13] = 5.2 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION				REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION	CHAMPS TECHNOLOGIES						
	SIGN		DATE		Champs-Tech PN		P26R6-AC-2004-1M-TP
	DRAWN		04.25.19		Customer		ISSUE
	CHKD				Part #:		A
	APPR				SIZE A4		SCALE 2:1
TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED XXX ± 0.254 XX ± 0.54 X ± 0.78 ANGLE ±							

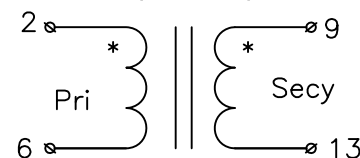
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

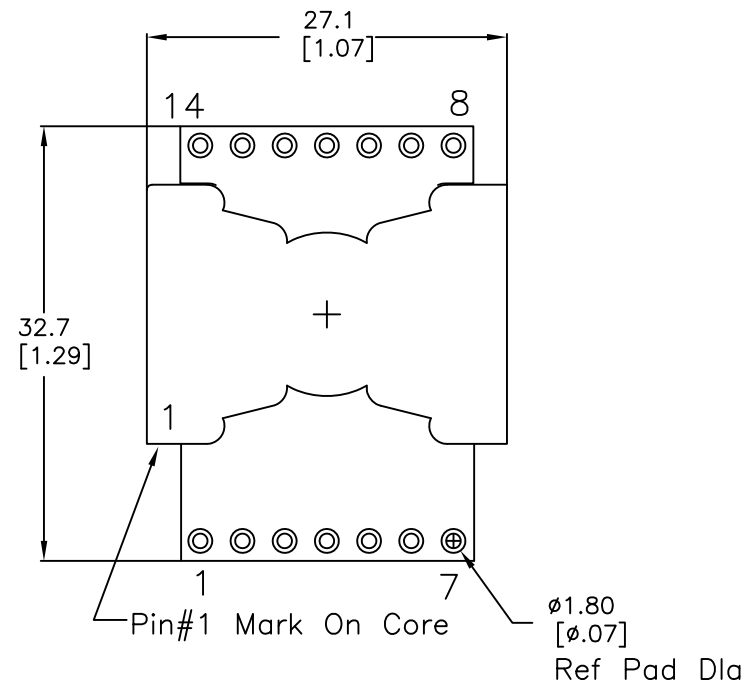


Electrical Information:

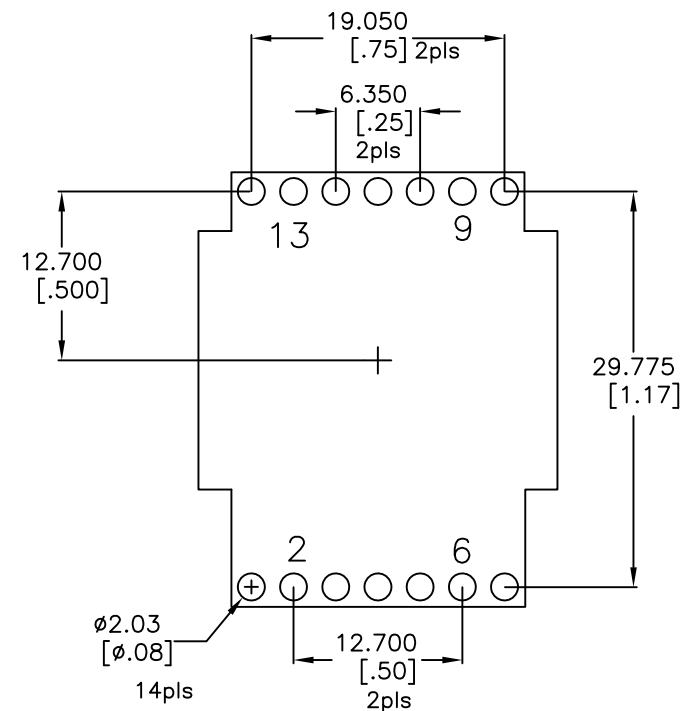
1. TURNS RATIO [9-13] : [2-6] = 0.30 ±2%
2. INDUCTANCE [2-6] = 1.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 2.3 uH Nom @100kHz
4. DCR [2-6] = 150 mohms Nom, DCR [9-13] = 12 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2006-1M-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

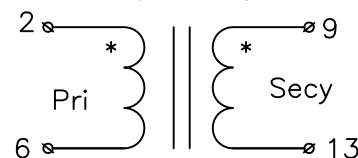
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

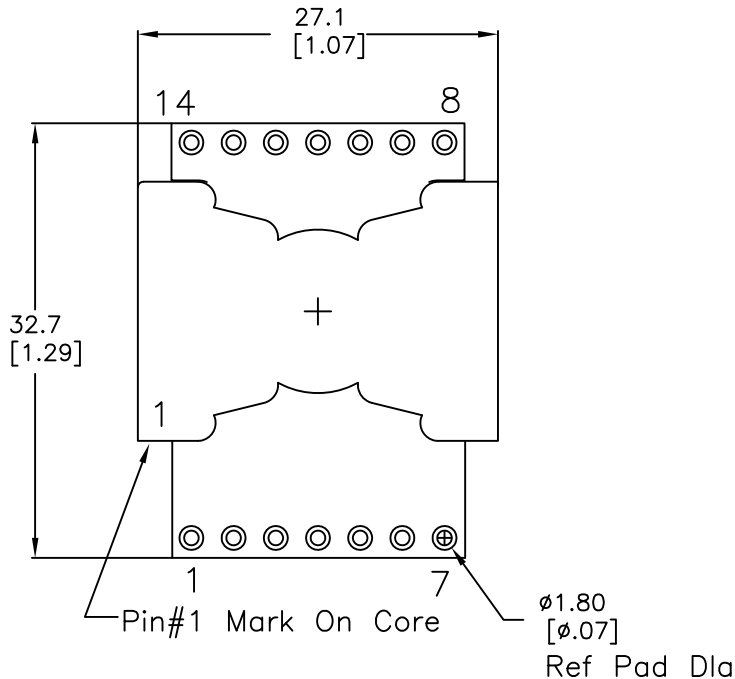


Electrical Information:

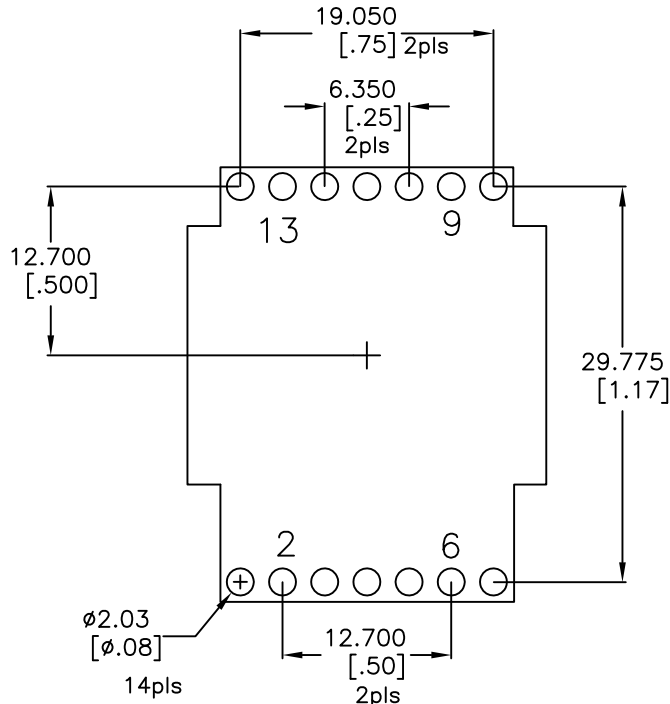
1. TURNS RATIO [9-13] : [2-6] = 0.40 ±2%
2. INDUCTANCE [2-6] = 1.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 2.0 uH Nom @100kHz
4. DCR [2-6] = 160 mohms Nom, DCR [9-13] = 20.7 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2008-1M-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

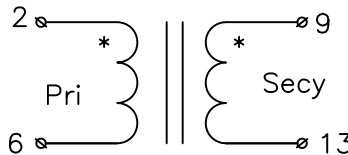
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]

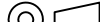


SCHEMATIC

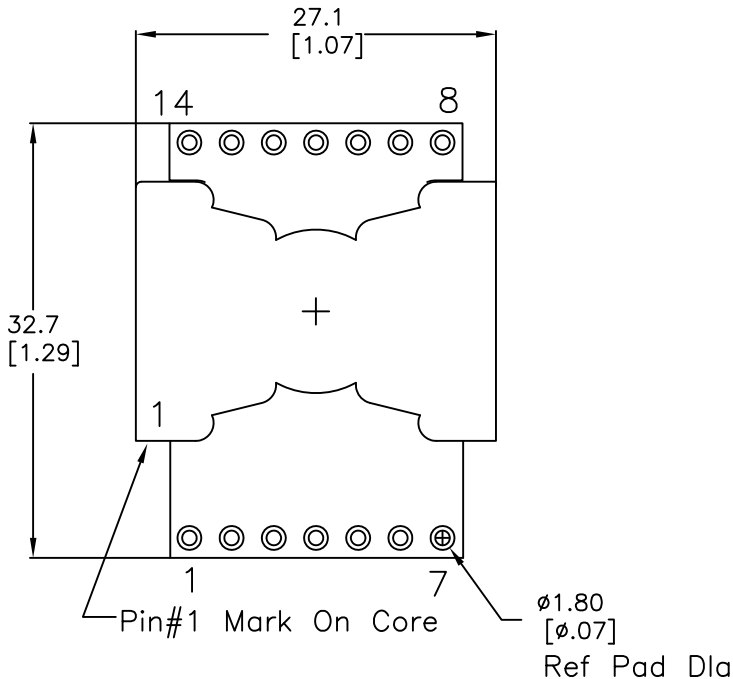


Electrical Information:

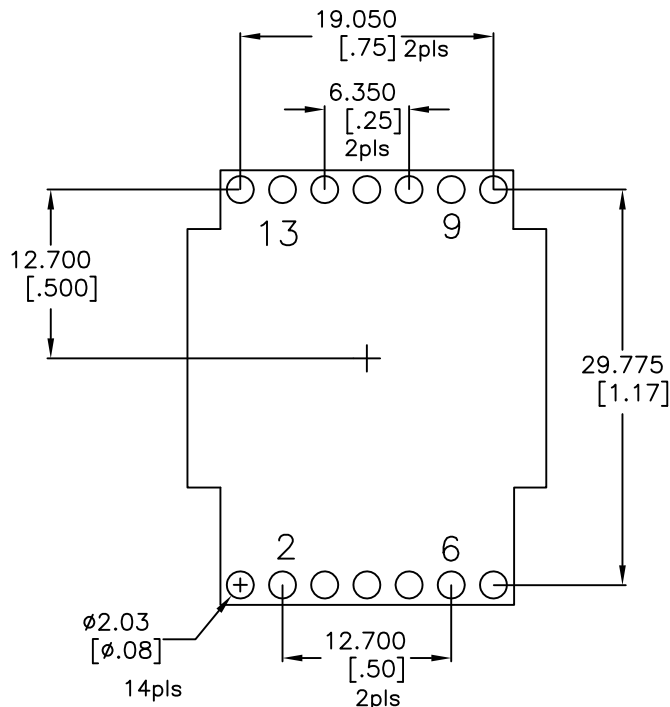
1. TURNS RATIO [9-13] : [2-6] = 0.50 $\pm$ 2%
2. INDUCTANCE [2-6] = 1.0 mH Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 2.0 μ H Nom @100kHz
4. DCR [2-6] = 160 mohms Nom, DCR [9-13] = 38.3 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION				REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION	CHAMPS TECHNOLOGIES						
	TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2010-1M-TP		
	DRAWN			04.25.19	Customer		ISSUE
	CHKD				Part #:		A
	APPR				SIZE A4		SCALE 2:1
	.XXX ± 0.254 .XX ± 0.54 .X ± 0.78 ANGLE ±						

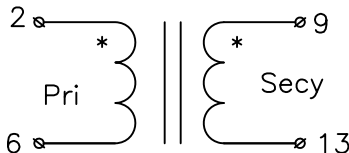
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]

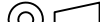


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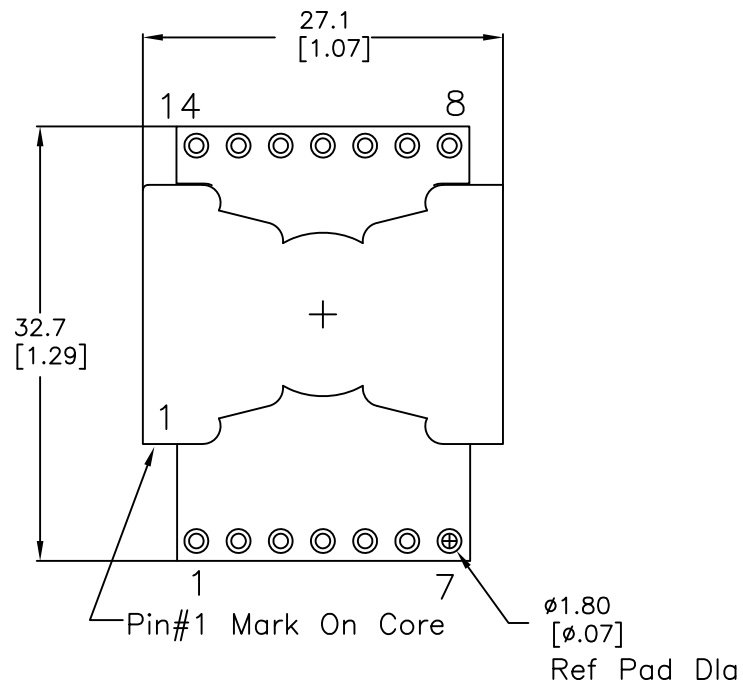


Electrical Information:

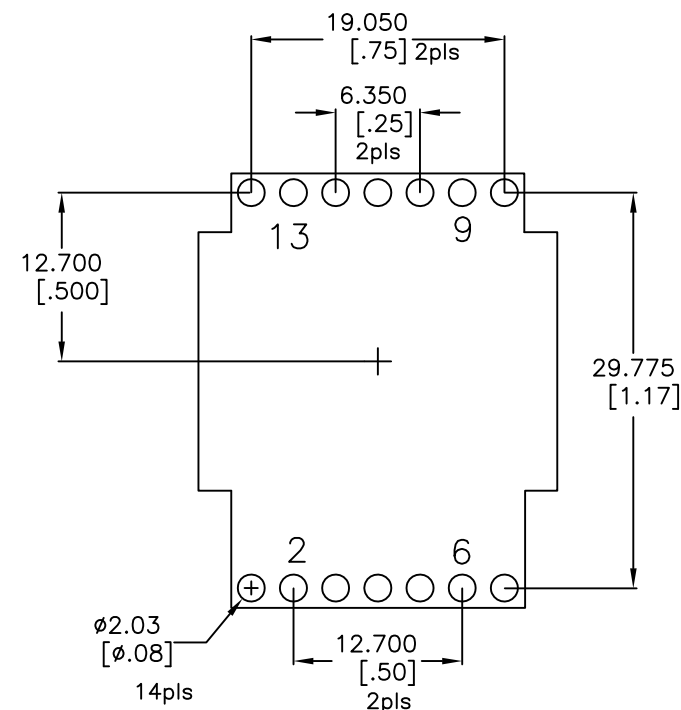
1. TURNS RATIO [9-13] : [2-6] = 0.80 $\pm$ 2%
2. INDUCTANCE [2-6] = 1.0 mH Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 2.0 μ H Nom @100kHz
4. DCR [2-6] = 160 mohms Nom, DCR [9-13] = 91 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +130C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION			REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION	CHAMPS TECHNOLOGIES					
						
TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED	SIGN	DATE	Champs-Tech PN P26R6-AC-2016-1M-TP			
DRAWN		04.25.19	Customer			ISSUE
CHKD			Part #:			A
APPR			SIZE A4	SCALE 2:1	REV 00	
.XXX ± 0.254 .XX ± 0.54 .X ± 0.78 ANGLE ±						

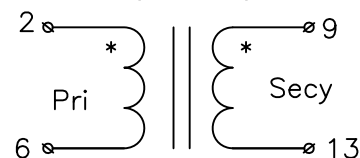
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC



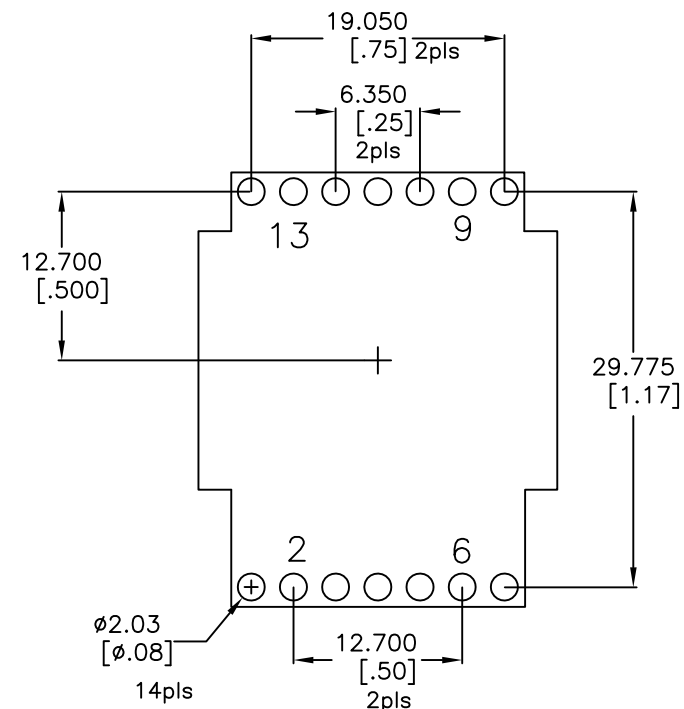
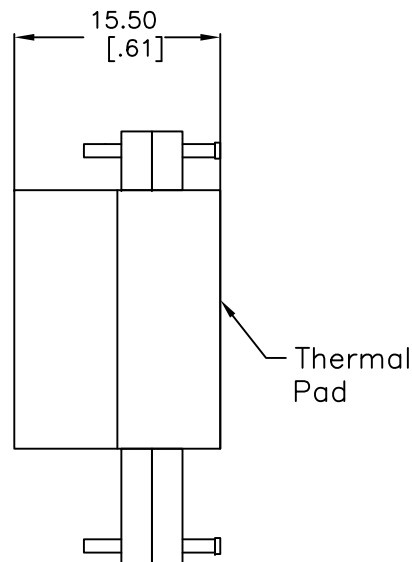
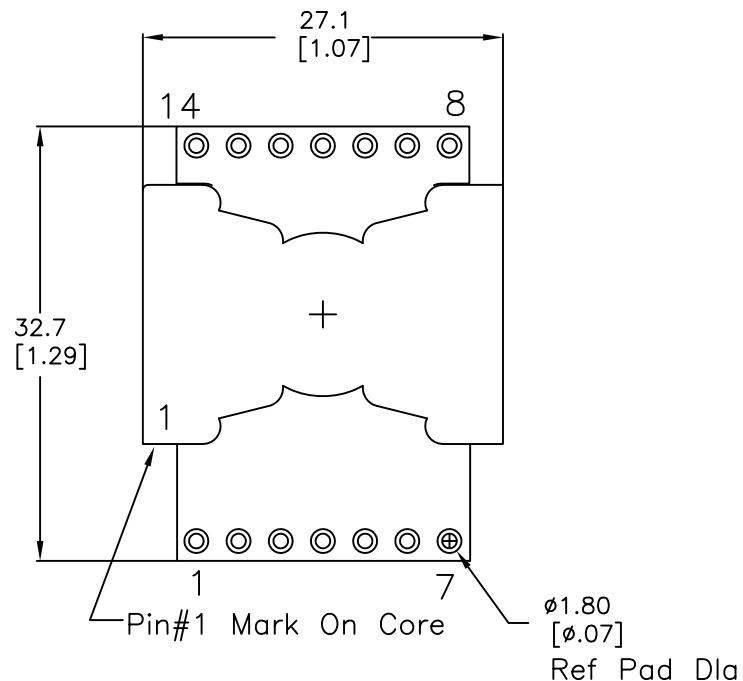
Electrical Information:

1. TURNS RATIO [9-13] : [2-6] = 0.154 $\pm$ 2%
2. INDUCTANCE [2-6] = 1.2 mH Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 3.8 μ H Nom @100kHz
4. DCR [2-6] = 282 mohms Nom, DCR [9-13] = 5.2 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

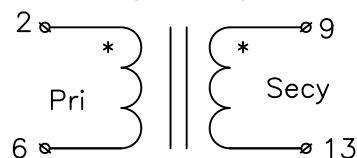
No.		DESCRIPTION		REVISIONS		DATE	
THIRD ANGLE PROJECTION		CHAMPS TECHNOLOGIES					
TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED .XXX ± 0.254 .XX ± 0.54 .X ± 0.78 ANGLE ±		SIGN		DATE		Champs-Tech PN P26R6-AC-2604-1M2-TP	
		DRAWN		04.25.19		Customer	
		CHKD				Part #:	
		APPR				SIZE A4	
				SCALE 2:1		ISSUE A	

MECHANICAL DIMENSIONS [TOP VIEW]

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC



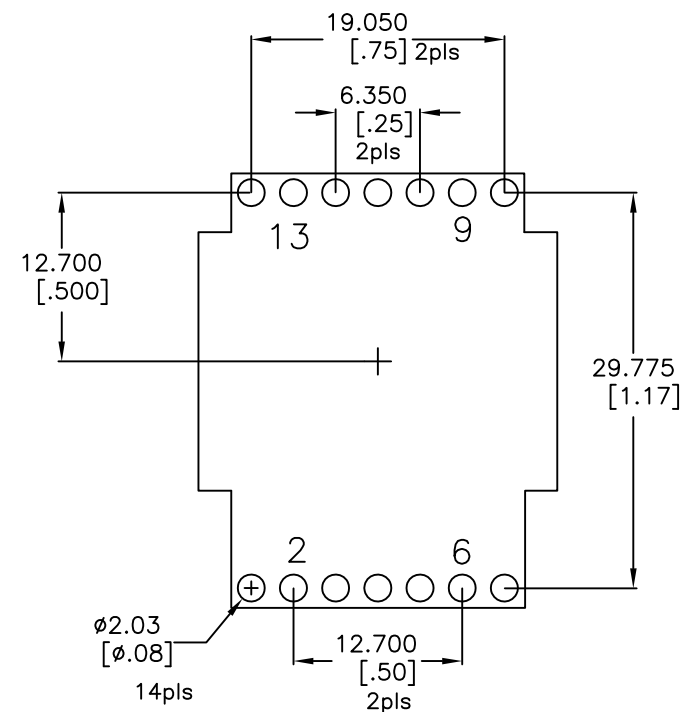
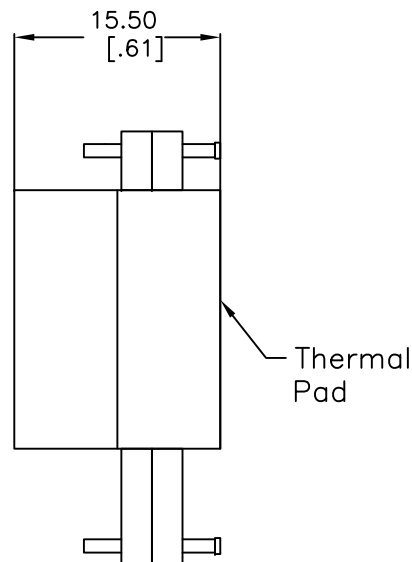
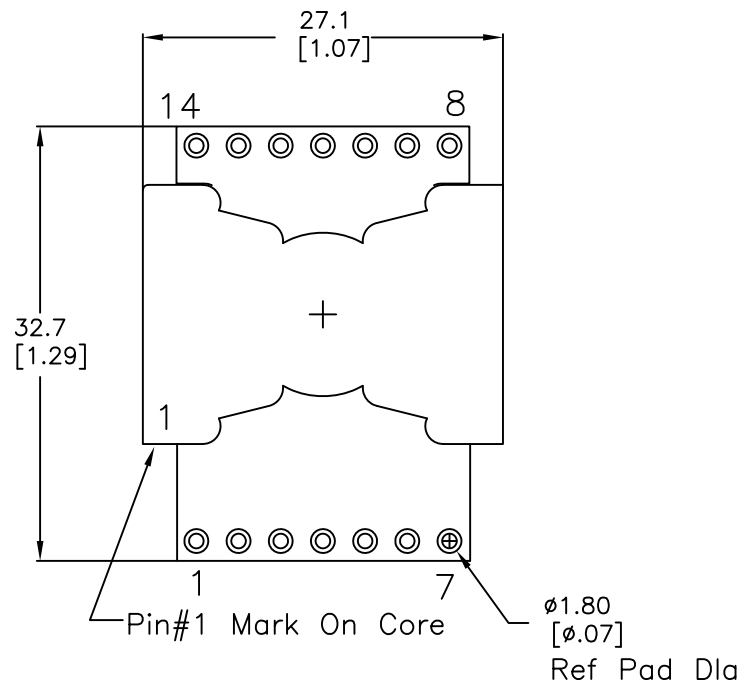
Electrical Information:

1. TURNS RATIO [9-13] : [2-6] = 0.308 ±2%
2. INDUCTANCE [2-6] = 1.2 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 3.8 uH Nom @100kHz
4. DCR [2-6] = 282 mohms Nom, DCR [9-13] = 20.8 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

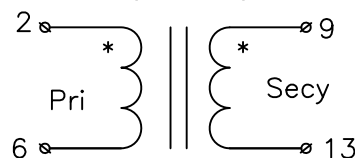
No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2608-1M2-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

MECHANICAL DIMENSIONS [TOP VIEW]

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

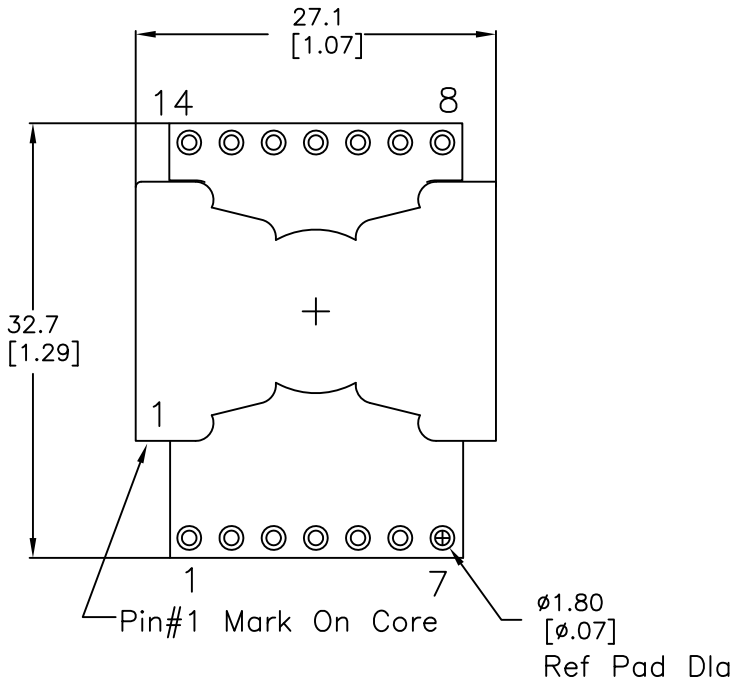


Electrical Information:

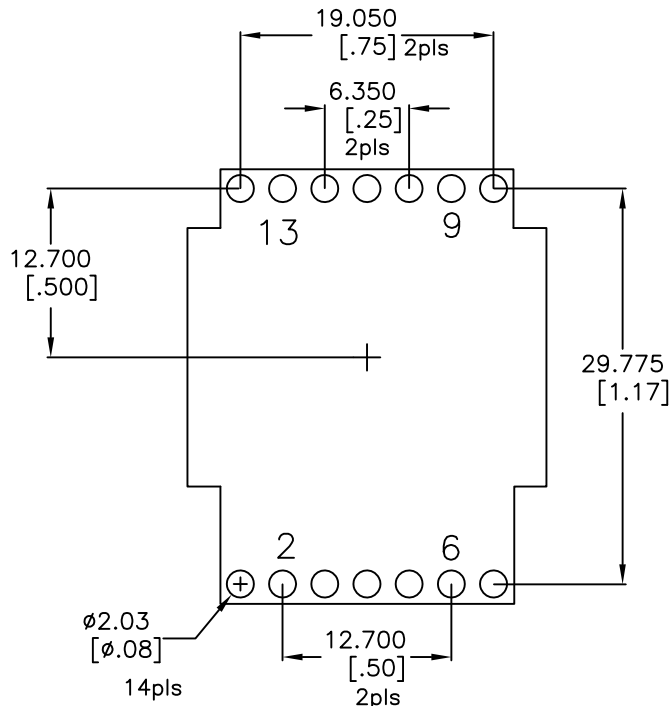
1. TURNS RATIO [9-13] : [2-6] = 0.346 ±2%
2. INDUCTANCE [2-6] = 1.2 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 3.8 uH Nom @100kHz
4. DCR [2-6] = 282 mohms Nom, DCR [9-13] = 30 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2609-1M2-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

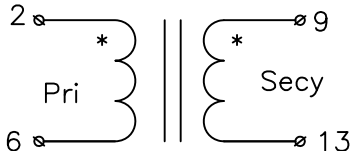
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

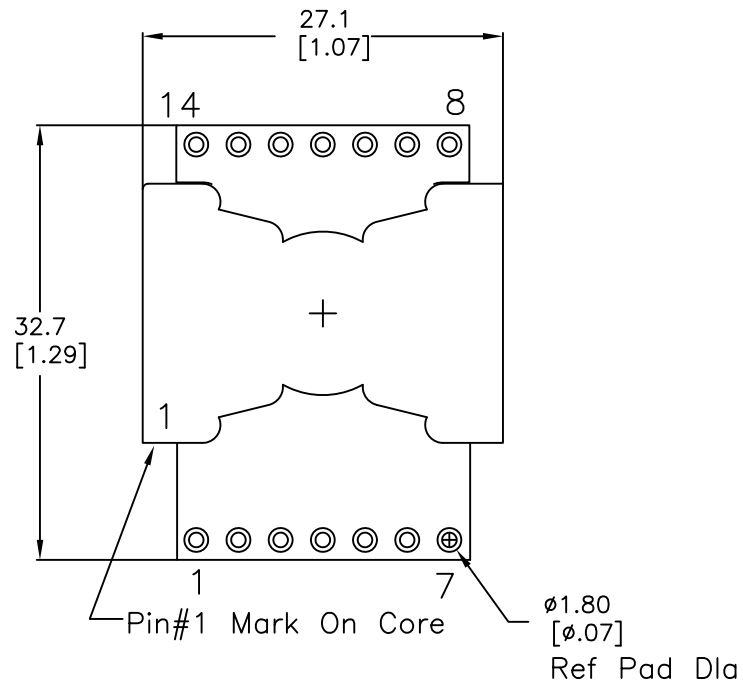


Electrical Information:

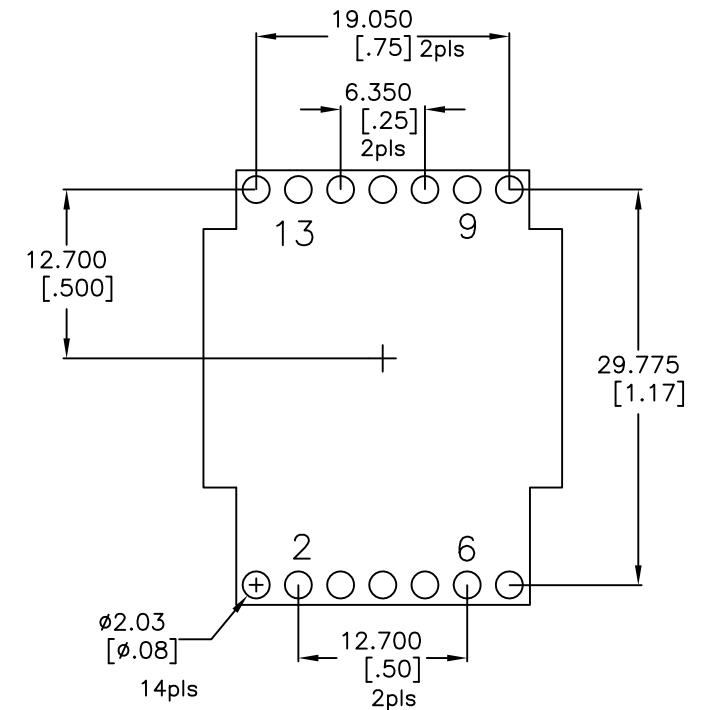
1. TURNS RATIO [9-13] : [2-6]= 0.615 $\pm$ 2%
2. INDUCTANCE [2-6] = 1.2 mH Nom $\pm$ 10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 3.8 uH Nom @100kHz
4. DCR [2-6] = 282 mohms Nom, DCR [9-13] = 91 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.		DESCRIPTION		REVISIONS		DATE	
THIRD ANGLE PROJECTION		CHAMPS TECHNOLOGIES					
							
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-2616-1M2-TP			
DRAWN			04.25.19	Customer			ISSUE
.XXX ± 0.254		CHKD		Part #:			A
.XX ± 0.54							RE
.X ± 0.78							OC
ANGLE ±		APPR		SIZE A4	SCALE 2:1		

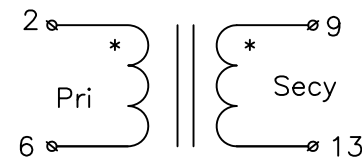
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC



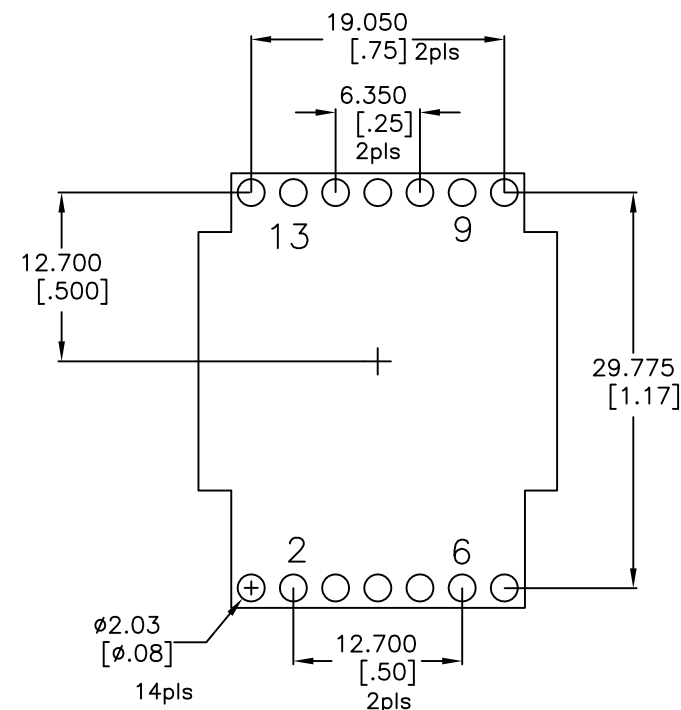
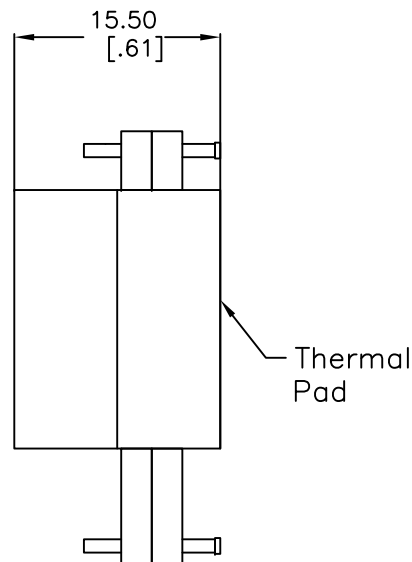
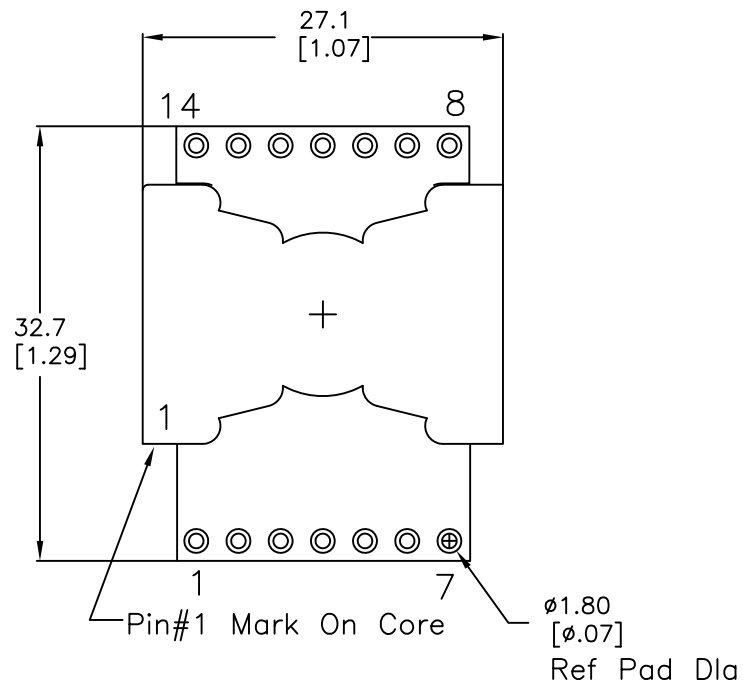
Electrical Information:

1. TURNS RATIO [9-13] : [2-6] = 0.094 ±2%
2. INDUCTANCE [2-6] = 2.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 4.8 uH Nom @100kHz
4. DCR [2-6] = 450 mohms Nom, DCR [9-13] = 3.3 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

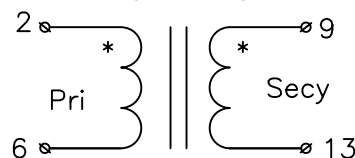
No.	DESCRIPTION				REVISIONS	DATE	APPR	
THIRD ANGLE PROJECTION 	CHAMPS TECHNOLOGIES							
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED	DRAWN	SIGN	DATE	Champs-Tech PN P26R6-AC-3203-2M-TP				
.XXX ± 0.254	CHKD		04.25.19	Customer			ISSUE	REV
.XX ± 0.54				Part #:			A	00
.X ± 0.78	APPR			SIZE A4		SCALE 2:1		
ANGLE ±								

MECHANICAL DIMENSIONS [TOP VIEW]

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

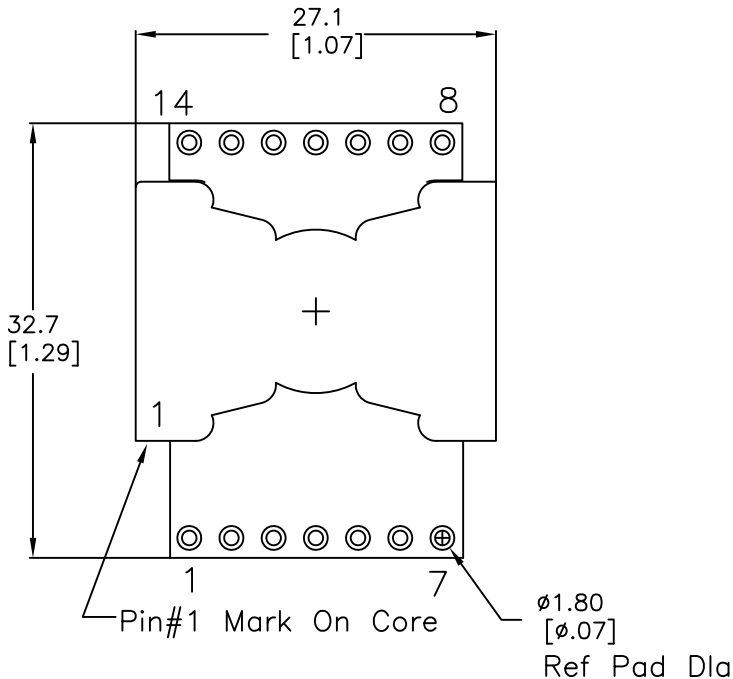


Electrical Information:

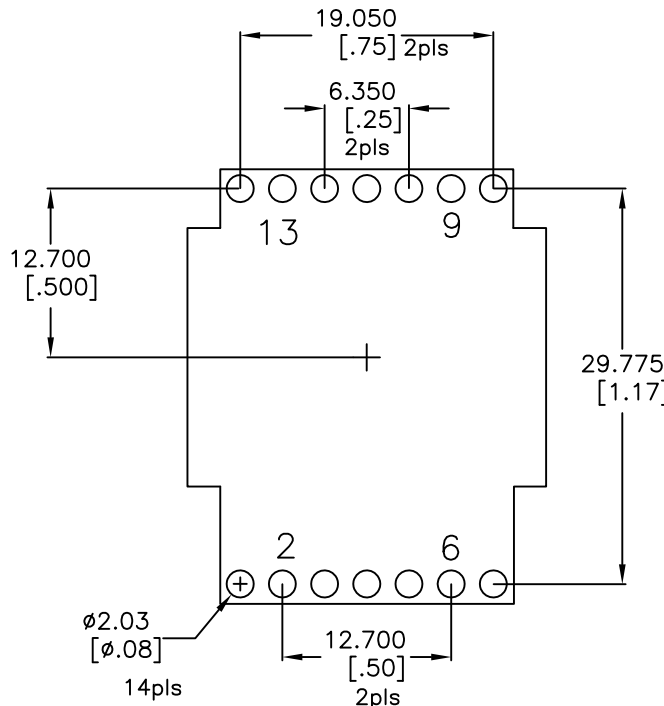
1. TURNS RATIO [9-13] : [2-6] = 0.187 ±2%
2. INDUCTANCE [2-6] = 2.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 4.8 uH Nom @100kHz
4. DCR [2-6] = 450 mohms Nom, DCR [9-13] = 13 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-3206-2M-TP
.XXX ± 0.254	DRAWN		04.25.19	Customer
.XX ± 0.54	CHKD			Part #:
.X ± 0.78	APPR			SIZE A4 SCALE 2:1
ANGLE ±				ISSUE A REV 00

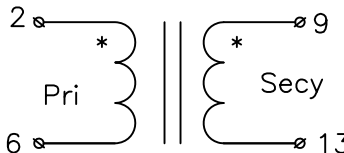
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



SCHEMATIC

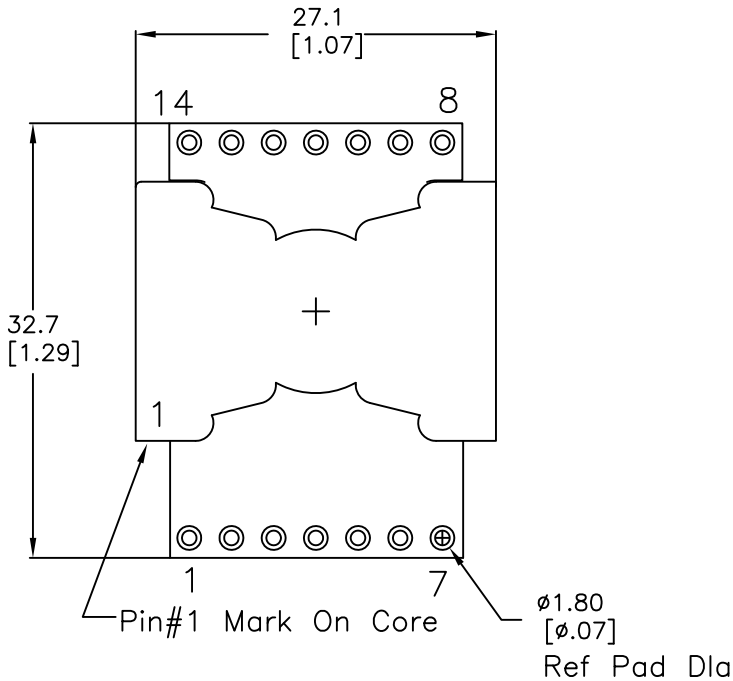


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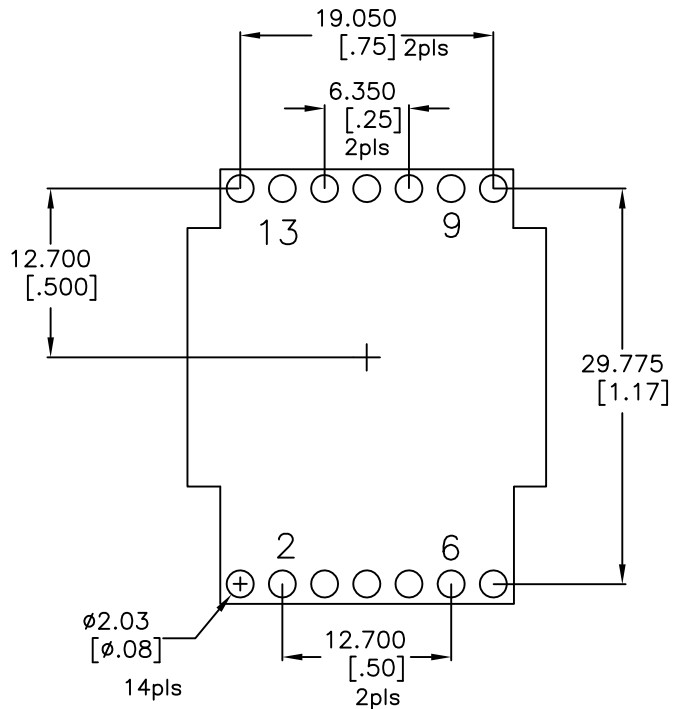
1. TURNS RATIO [9-13] : [2-6]= 0.219 ±2%
2. INDUCTANCE [2-6] = 2.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 4.8 uH Nom @100kHz
4. DCR [2-6] = 450 mohms Nom, DCR [9-13] = 17 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

No.		DESCRIPTION				REVISIONS	
						DATE	
THIRD ANGLE PROJECTION		CHAMPS TECHNOLOGIES					
							
TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN P26R6-AC-3207-2M-TP			
DRAWN			04.25.19	Customer			ISSUE
.XXX ± 0.254		CHKD		Part #:			A
.XX ± 0.54							O
.X ± 0.78							
ANGLE ±		APPR		SIZE A4	SCALE 2:1		

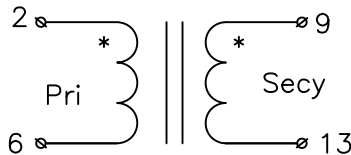
MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



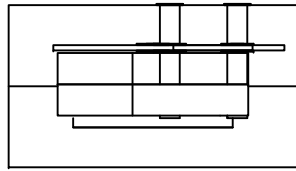
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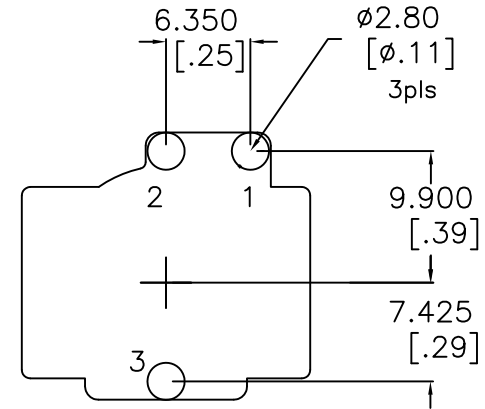
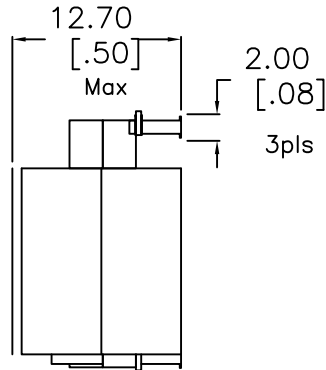
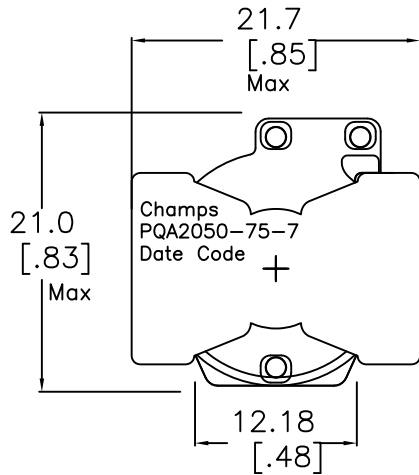
Electrical Information:

1. TURNS RATIO [9-13] : [2-6]= 0.375 ±2%
2. INDUCTANCE [2-6] = 2.0 mH Nom ±10% @100kHz/1.0V
3. LEAKAGE INDUCTANCE [2-6] : SHORT 9-13 = 4.8 uH Nom @100kHz
4. DCR [2-6] = 450 mohms Nom, DCR [9-13] = 56 mohms Nom,
5. CAPACITANCE 2,6 to 9,13 = 130 pF Nom,@100kHz
6. DIELECTRIC ISOLATION: [2,6]: [9,13], Core > 3000 VAC/60 Sec
DIELECTRIC ISOLATION: [9,13] : CORE > 500 Vdc
7. RoHS Level 6/6 Compliant | Pins 96/4 Sn/Ag Plating
8. Operating Temp Range -55C to +130C [Inclusive of Application Temp Rise]
9. Storage Temp Range -55C to +155C [Materials rated to +170C]
10. Meets IEC-60950-1 Clearance, Creepage, Class II, Pk Working Voltage 1400V
11. Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV Pk

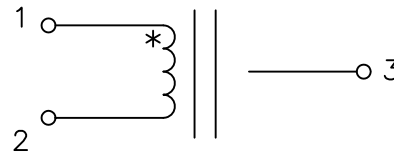
No.	DESCRIPTION REVISIONS					DATE	APPR	
THIRD ANGLE PROJECTION 	CHAMPS TECHNOLOGIES							
TOLERANCES/UNITS IN MM UNLESS OTHERWISE INDICATED	DRAWN	SIGN	DATE	Champs-Tech PN P26R6-AC-3212-2M-TP				
.XXX ± 0.254 .XX ± 0.54 .X ± 0.78 ANGLE ±			04.25.19	Customer			ISSUE	
	CHKD			Part #:			A	REV 00
	APPR			SIZE A4	SCALE 2:1			



SUGGESTED PAD LAYOUT [TOP PCB VIEW]



Schematic



ELECTRICAL INFORMATION:

1. INDUCTANCE [1-2] = 75uH Nom, 67 Min. @100kHz/1V 6.5 Adc
2. DCR [1-2] = 53 mohms Nom, 58 Max
3. DIELECTRIC ISOLATION > 500 VDC [1-2] : CORE
4. SATURATION CURRENT @25C = 7.5 Adc | @85C = 7.0 Adc
5. HEATING CURRENT FOR 40C RISE AT 25C AMBIENT = 7.0 Adc
6. Operating Ambient Temp. Range -55C to +130C [Inclusive of Temp Rise]
7. RoHS Level 6/6 Compliant || REACH Compliant

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQA2050-75-7-LTC
.XXX ± 0.254	DRAWN	HE	8/20/08	Customer
.XX ± 0.51	CHKD			Part #:
.X ± 0.78	APPR			INDUCTOR
ANGLE ±				ISSUE A
				REV 00
				SIZE
				SCALE 2:1

A

B

C

D

E

F

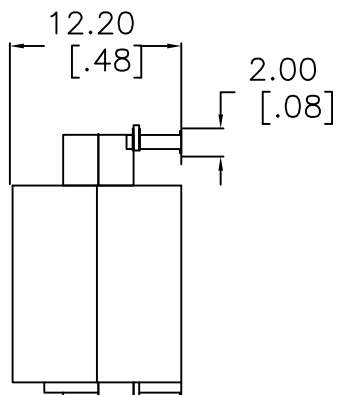
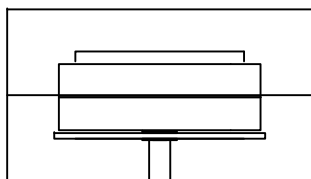
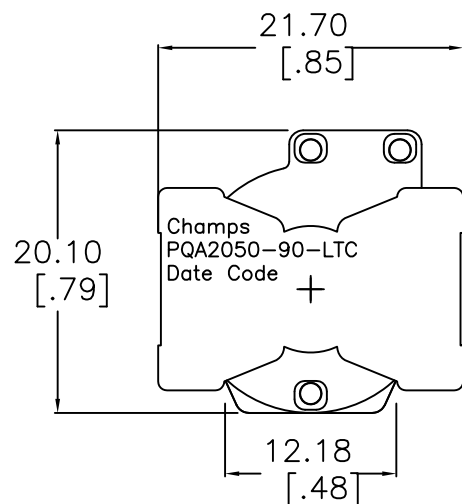
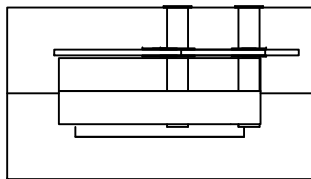
A

B

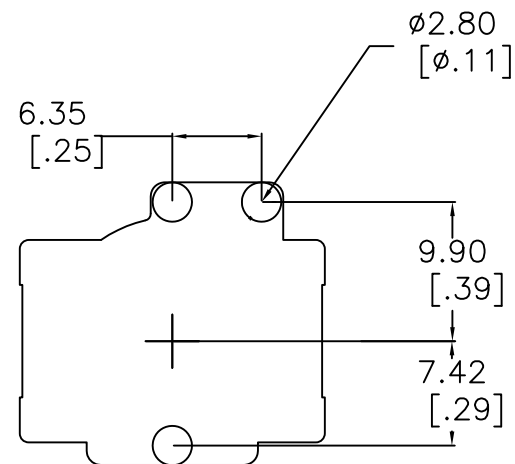
C

D

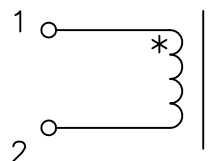
E



SUGGESTED
PAD
LAYOUT
Rounded
Pad

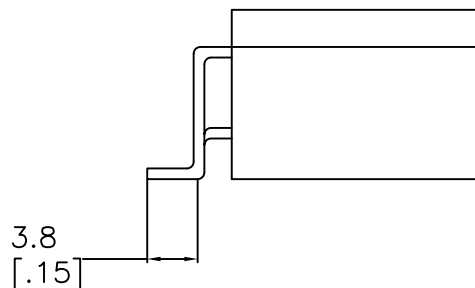
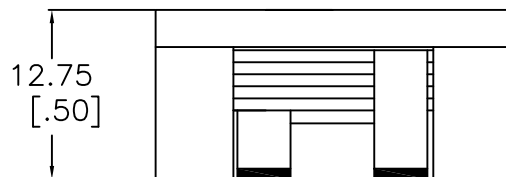
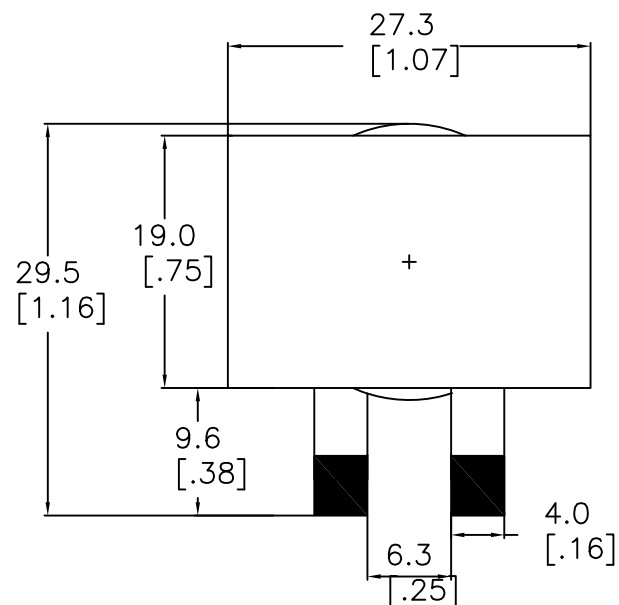


Schematic

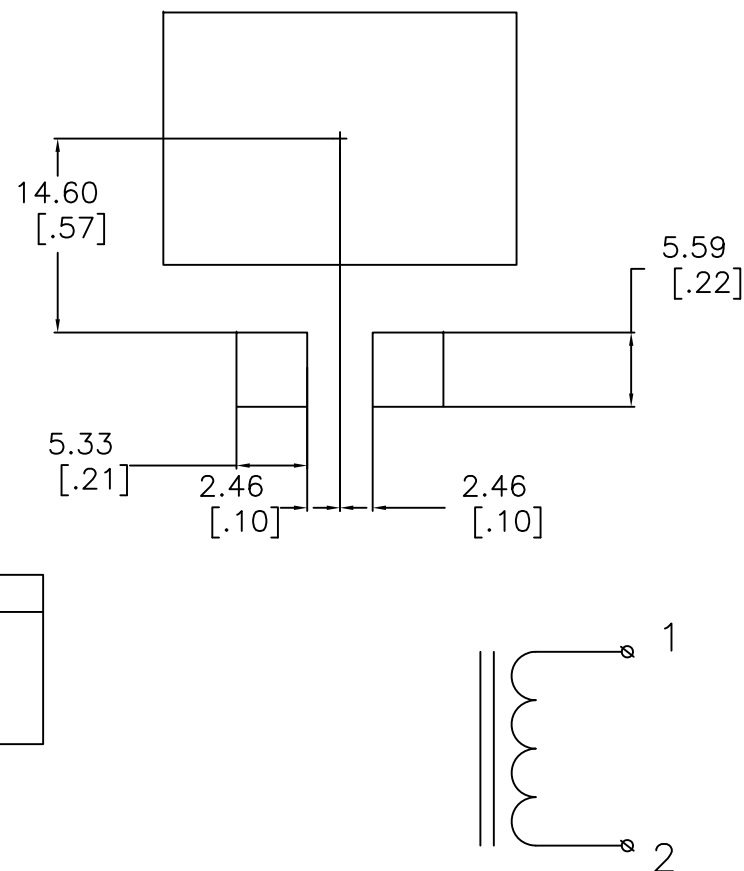


INDUCTANCE [1-2] = 90uH Nom, 81 Min. @100kHz/1.0V 6.2 Adc
 INDUCTANCE [1-2] = 76.5 uH Min @100kHz/1.0V 7.5 Adc
 DCR [1-2] = 61 mohms Nom 68 Max.
 DIELECTRIC ISOLATION > 500 VDC [1-2] : CORE
 SATURATION CURRENT @25C = 7.5 Adc | @85C = 6.8Adc
 HEATING CURRENT FOR 40C RISE AT 25C AMBIENT = 6.0 Adc

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES +/- 1.0 UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs No. PQA2050-90-LTC
.XXX ±	DRAWN	HE	10.05.15	Customer
.XX ±	CHKD			Part #: INDUCTOR
.X ANGLE ±	APPR			SIZE SCALE 2:1
				ISSUE A REV 00



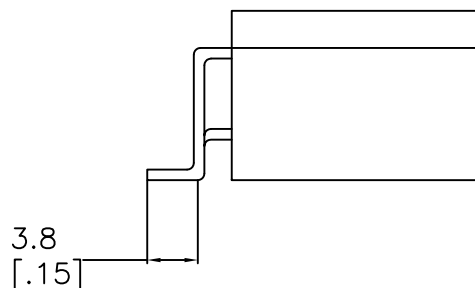
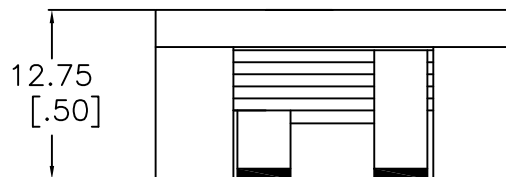
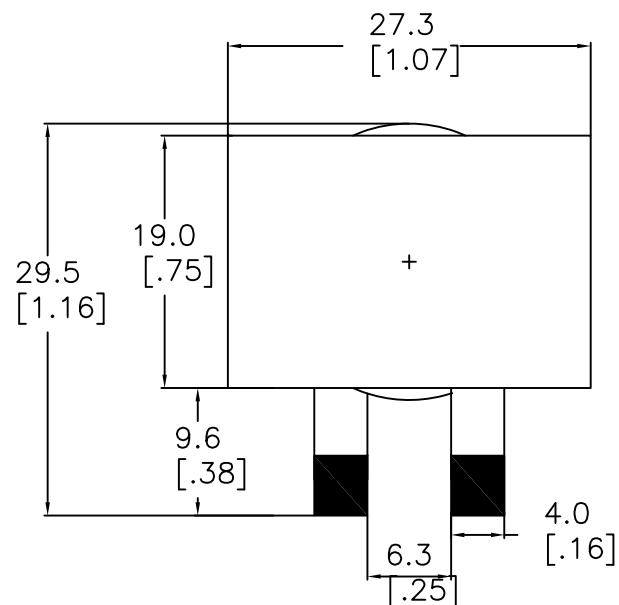
SUGGESTED PAD LAYOUT



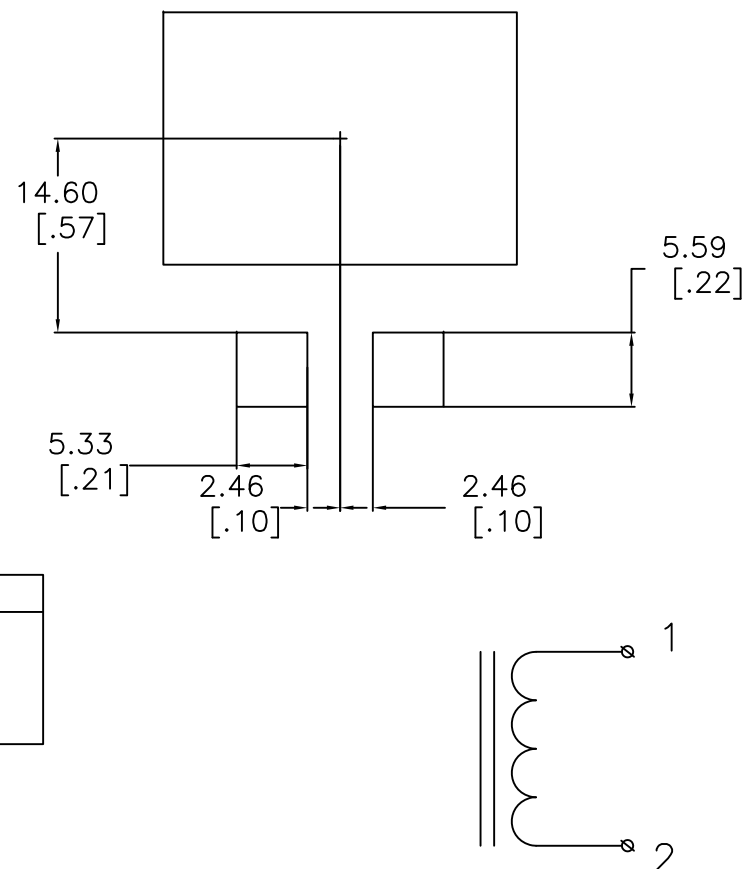
NOTES:

1. INDUCTANCE [1-2] = 15 uH Nom, 13.5 Min. @100kHz 1.0V 17Adc
2. INDUCTANCE [1-2] = 13.0 uH Min @100kHz 1.0V 19Adc @25C
3. DCR [1-2] = 2.8 mohms Nom, 3.4 mohms Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 19Adc | @100C = 18Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 24 Adc
7. Operating Ambient Temperature: -40C to +85C
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-15R0-17-HX
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.XX ±	CHKD			Part #:
.X ANGLE ±	APPR		04.06.17	SIZE SCALE
				ISSUE A REV 00



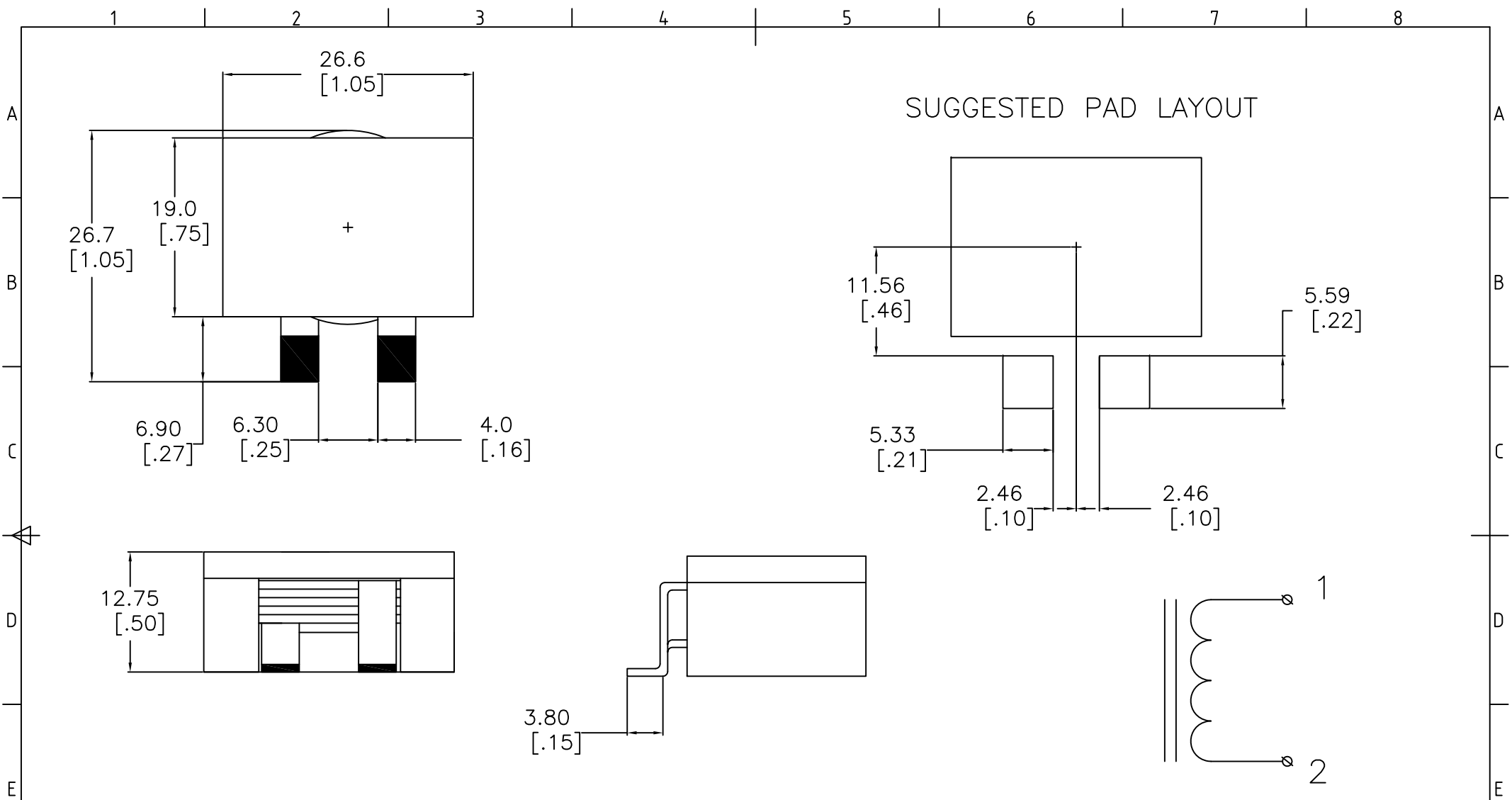
SUGGESTED PAD LAYOUT



NOTES:

1. INDUCTANCE [1-2] = 18 uH Nom, 16.2 Min. @100kHz 1.0V 16Adc
2. INDUCTANCE [1-2] = 15.2 uH Min @100kHz 1.0V 18Adc @25C
3. DCR [1-2] = 3.1 mohms Nom, 3.8 mohms Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2] : CORE
5. SATURATION CURRENT @25C = 18Adc | @100C = 17Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 28 Adc
7. Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-18R-16-HX
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.XX ±	CHKD			Part #:
.X ANGLE ±	APPR		04.06.17	SIZE SCALE
				ISSUE A REV 00

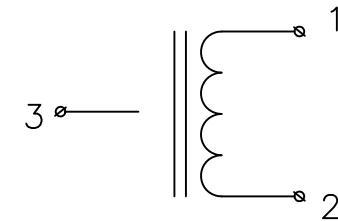
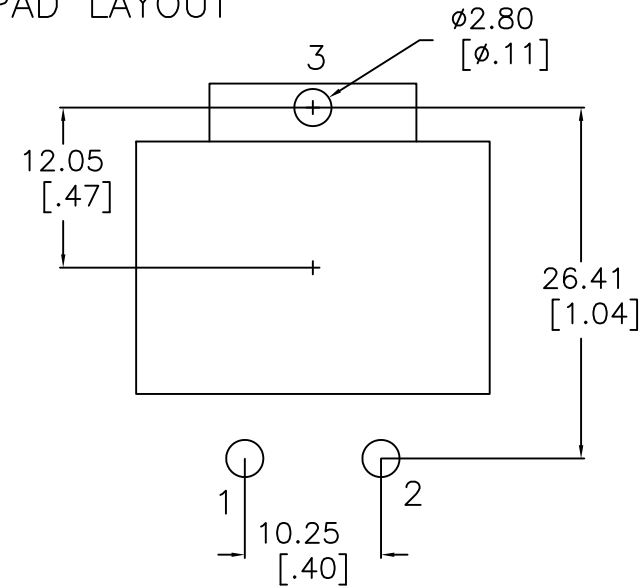
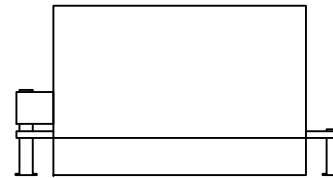
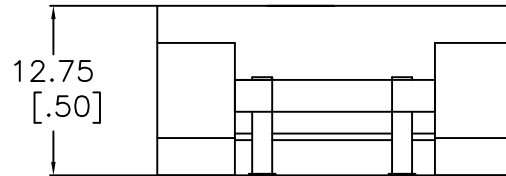
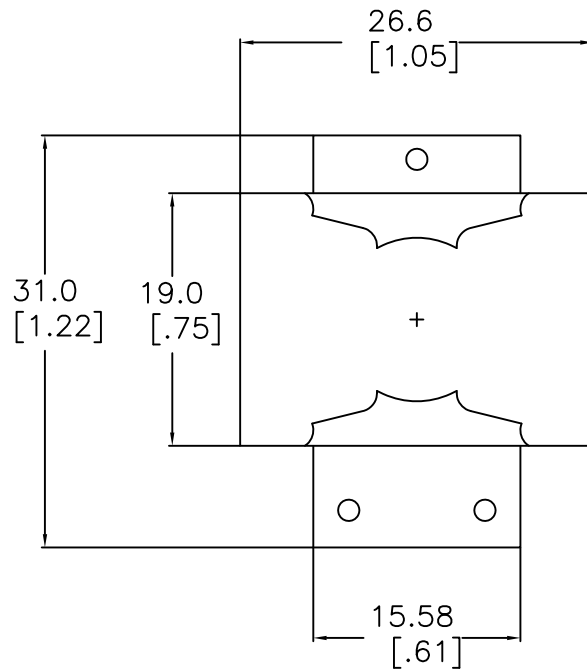


NOTES:

1. INDUCTANCE [1-2] = 25 uH Nom, 22.5 Min. @100kHz 1.0V 18Adc
2. INDUCTANCE [1-2] = 21 uH Min @100kHz 1.0V 20.0Adc @25C
3. DCR [1-2] = 10.5 mohms Nom, 11.5 mohms Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 20Adc | @85C = 19Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 19Adc
7. Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES +/- 1.0 UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs No. PQI26-25R-18-HX
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.XX ±	CHKD			Part #:
.X ANGLE ±	APPR		05.27.11	SCALE 2:1
		ISSUE A		REV 00

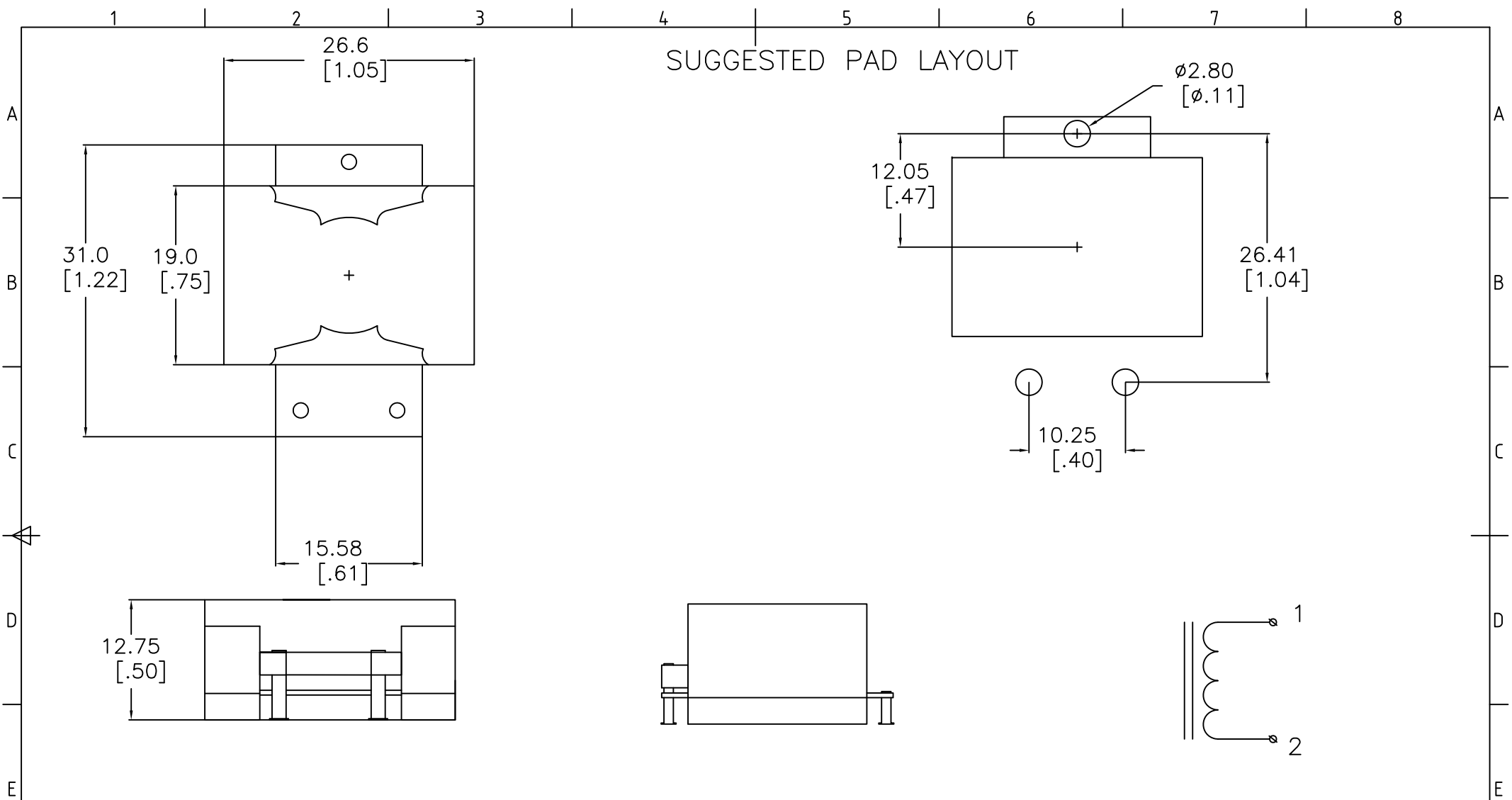
SUGGESTED PAD LAYOUT



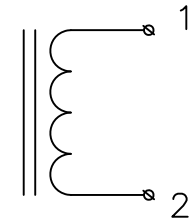
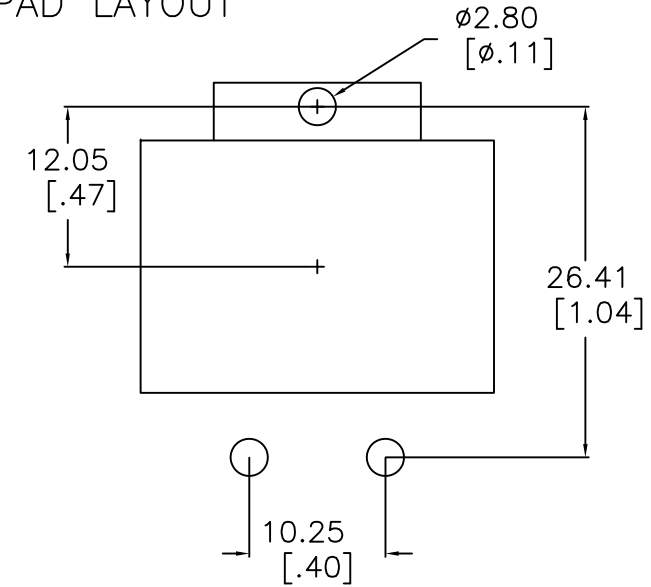
NOTES:

- INDUCTANCE [1-2] = 54 μ H Nom, 48.5 Min. @100kHz 1.0V 11Adc
- INDUCTANCE [1-2] = 45.8 μ H Min @100kHz 1.0V 13Adc @25C
- DCR [1-2] = 15.0 mohms Nom, 18 mohms Max
- DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
- SATURATION CURRENT @25C = 13Adc | @100C = 12Adc
- HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 12 Adc
- Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
- RoHS Level 6/6 Compliance || REACH Compliant

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-54R-11-LTC
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.XX $\pm$ 0.38	CHKD			Part #:
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ANGLE $\pm$				SCALE 2:1
				ISSUE A
				REV 00



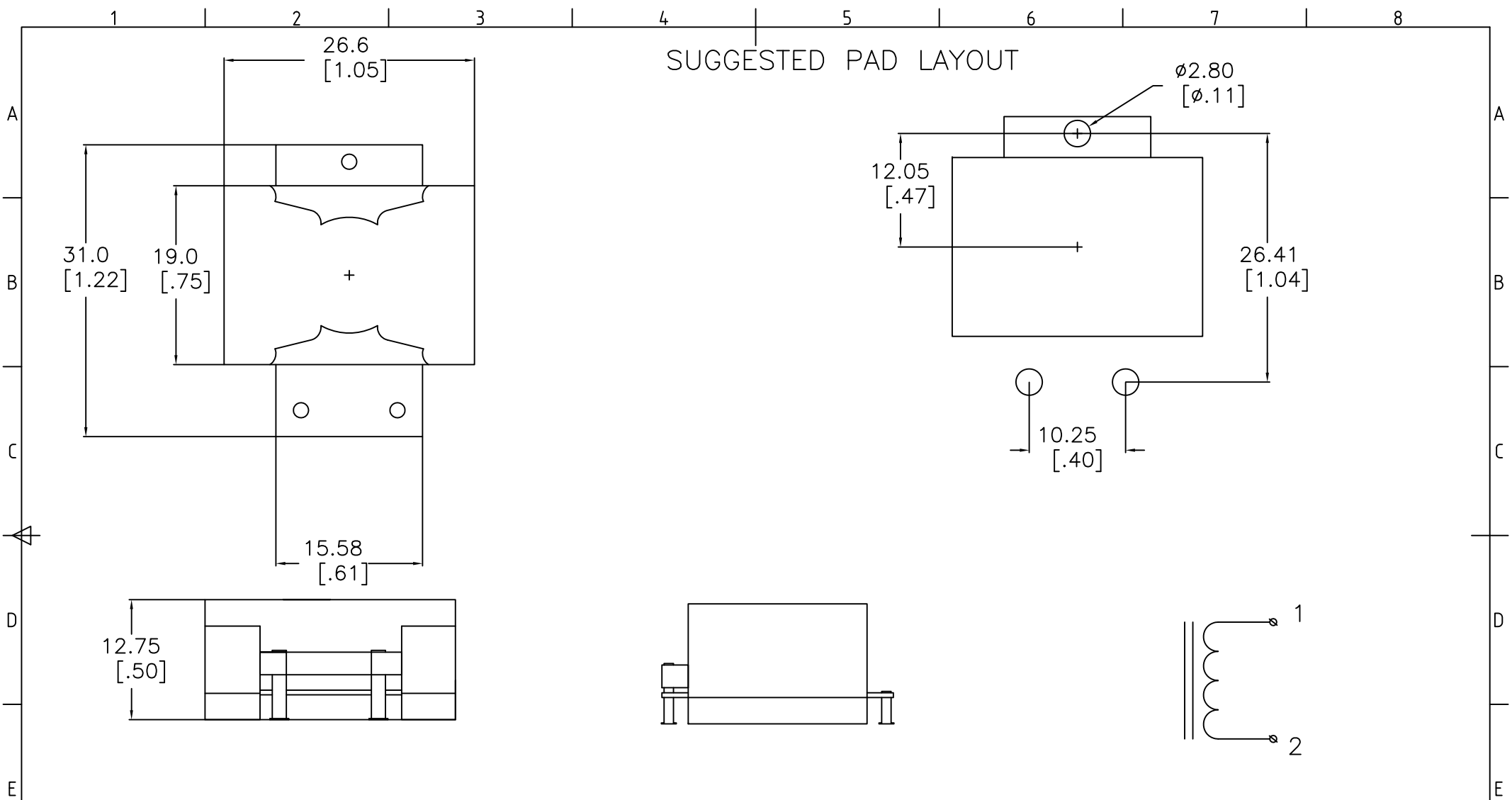
SUGGESTED PAD LAYOUT



NOTES:

- INDUCTANCE [1-2] = 58 uH Nom, 52.5 Min. @100kHz 1.0V 10Adc
- INDUCTANCE [1-2] = 46.5 uH Min @100kHz 1.0V 12Adc @25C
- DCR [1-2] = 15.0 mohms Nom, 18 mohms Max
- DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
- SATURATION CURRENT @25C = 12Adc | @100C = 11Adc
- HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 13 Adc
- Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
- RoHS Level 6/6 Compliance || REACH Compliant

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES +/- 1.0 UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs No. PQI26-58R-10-LTC
.XXX ± 0.254	DRAWN			Customer
.XX ± 0.38	CHKD			Part #:
.X ± 1.5	APPR		10/1/14	SCALE 2:1
				ISSUE A
				REV 00

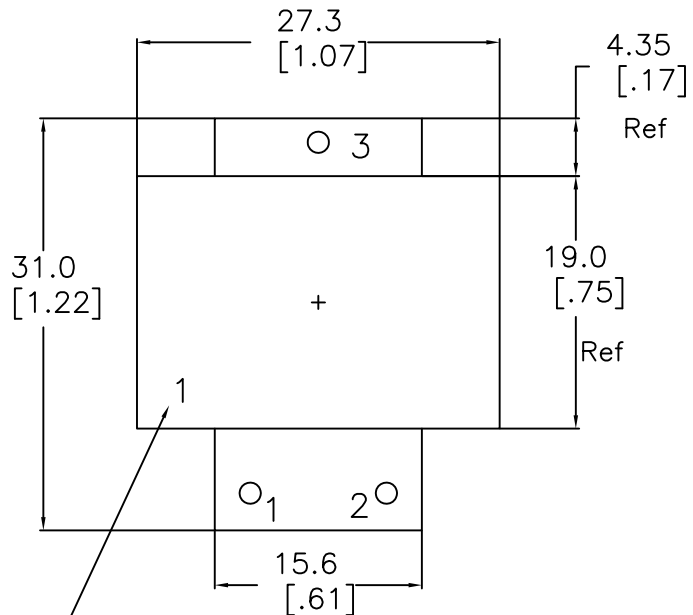


NOTES:

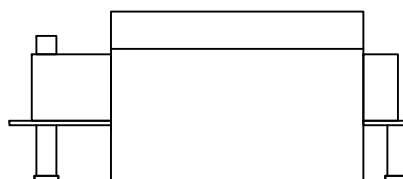
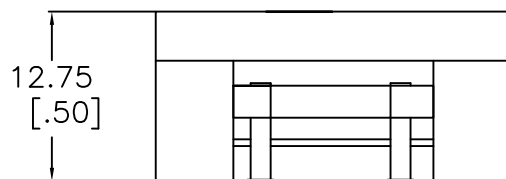
1. INDUCTANCE [1-2] = 68 uH Nom, 61 Min. @100kHz 1.0V 9.5Adc
2. INDUCTANCE [1-2] = 51.0 uH Min @100kHz 1.0V 11Adc @25C
3. DCR [1-2] = 18.0 mohms Nom, 20.5 mohms Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 11Adc | @100C = 10.0Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 13 Adc
7. Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || REACH Compliant

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES +/- 1.0 UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs No. PQI26-68-LTC
.XXX ± 0.254	DRAWN			Customer
.XX ± 0.38	CHKD			Part #:
.X ± 1.5	APPR		10/1/14	SIZE
ANGLE ±				SCALE 2:1
				ISSUE A
				REV 00

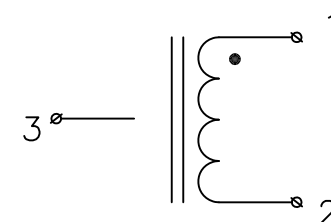
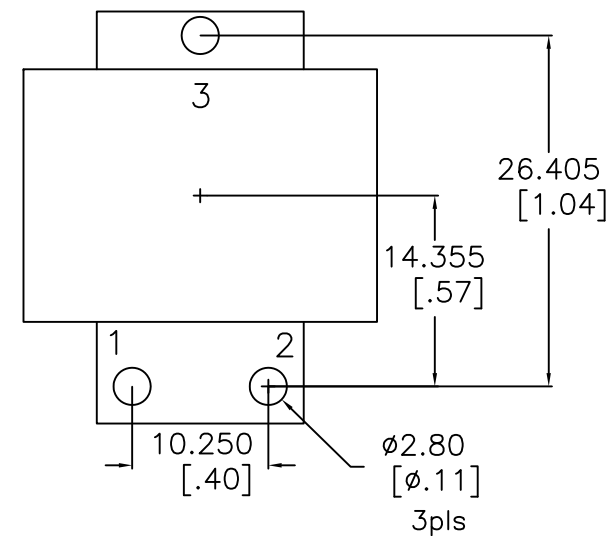
MECHANICAL DIMENSIONS [TOP VIEW]



Mark #1 on Ferrite Core



SUGGESTED PAD LAYOUT [PCB TOP VIEW]

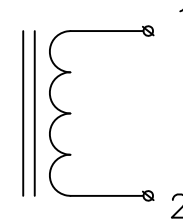
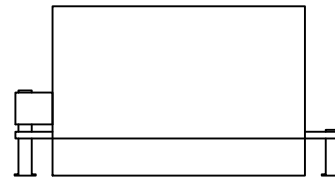
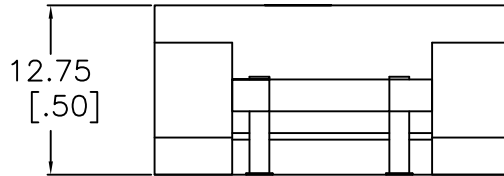
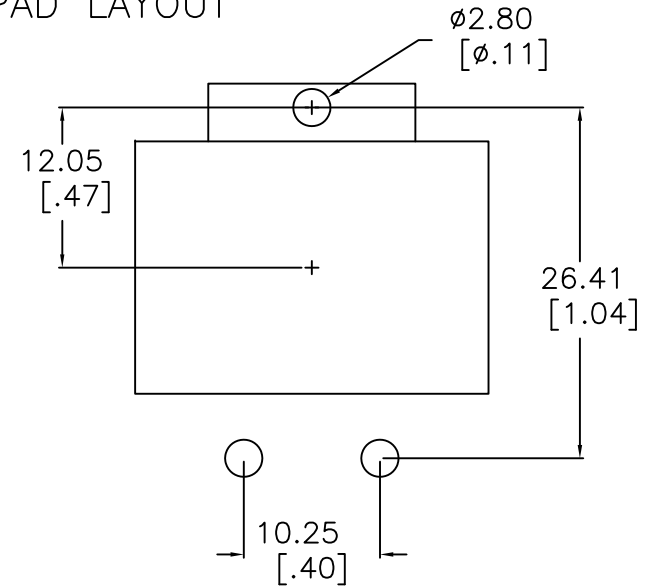
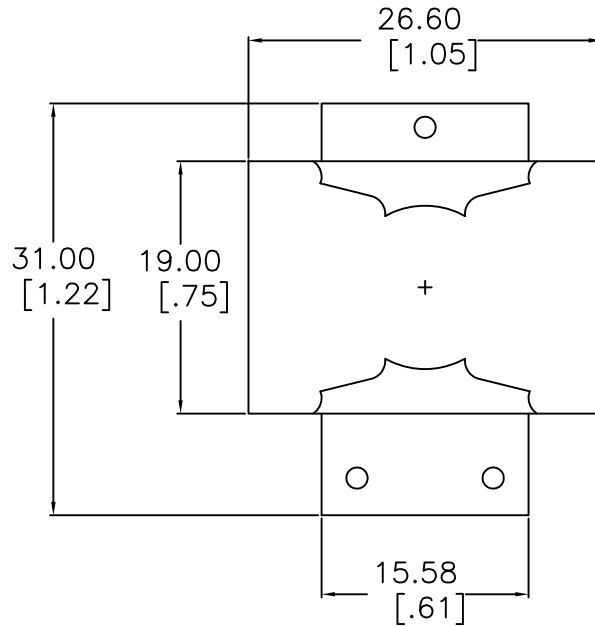


NOTES:

1. INDUCTANCE [1-2] = 78 uH Nom, 70 Min. @100kHz 1.0V 9.3 Adc
2. INDUCTANCE [1-2] = 65 uH Min @100kHz 1.0V 10.8 Adc @25C
3. DCR [1-2] = 28 mohms Nom, 32 Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 10.8 Adc | @100C = 10.0 Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 9.5 Adc
7. TEMPERATURE RATING: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-78R-LTC
.XXX ± 0.380	DRAWN			Customer
.XX ± 0.54	CHKD			Part #:
.X ± 1.0	APPR		06.16.17	SIZE SCALE
				ISSUE A REV 00

SUGGESTED PAD LAYOUT

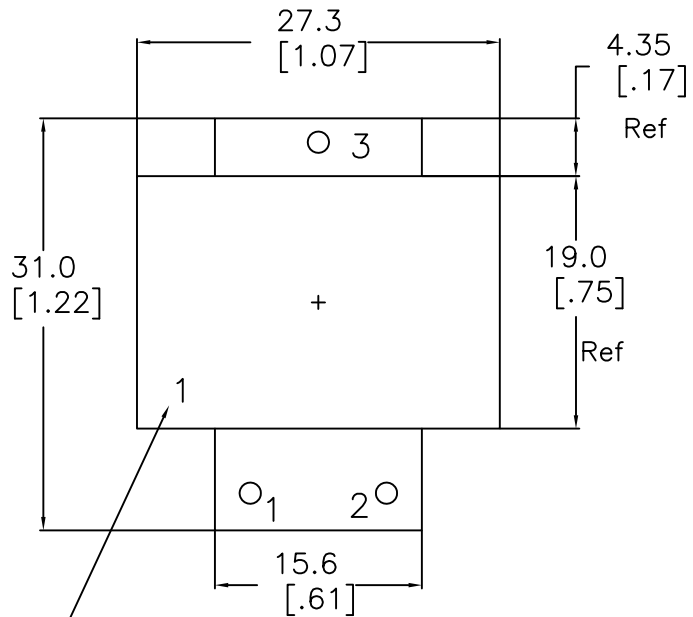


NOTES:

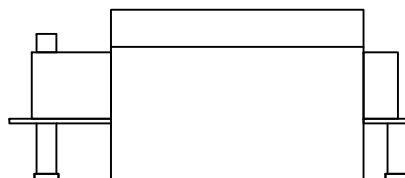
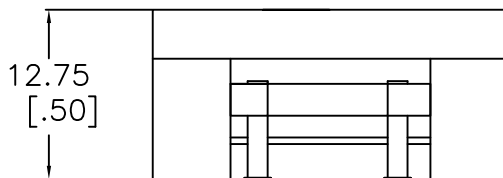
1. INDUCTANCE [1-2] = 130 uH Nom, 117 Min. @100kHz 1.0V 7.5 Adc
2. INDUCTANCE [1-2] = 108 uH Min @100kHz 1.0V 9 Adc @25C
3. DCR [1-2] = 35 mohms Nom, 41 mohms Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 9Adc | @100C = 8Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 9 Adc
7. Operating Ambient Temperature: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES +/- 1.0 UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs No. PQI26-130-LTC
.XXX ±	DRAWN			Customer
.XX ±	CHKD			Part #:
.X ANGLE ±	APPR		10/1/14	SCALE 2:1
		ISSUE A		REV 00

MECHANICAL DIMENSIONS [TOP VIEW]



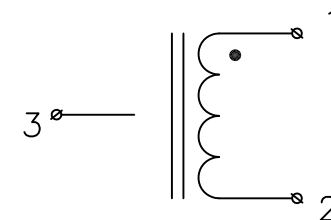
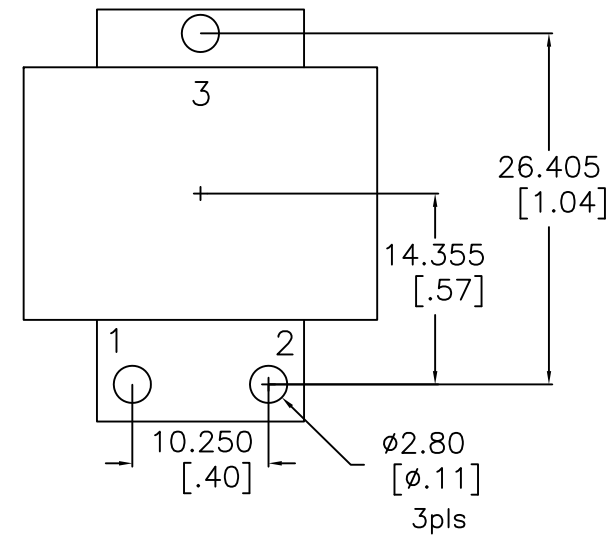
Mark #1 on Ferrite Core



NOTES:

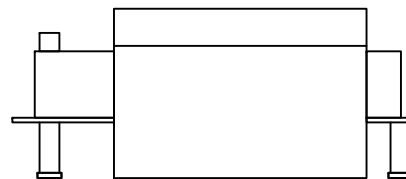
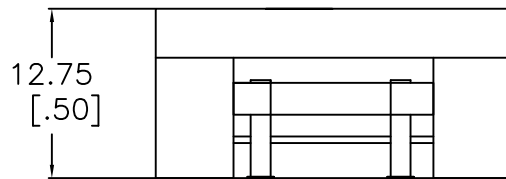
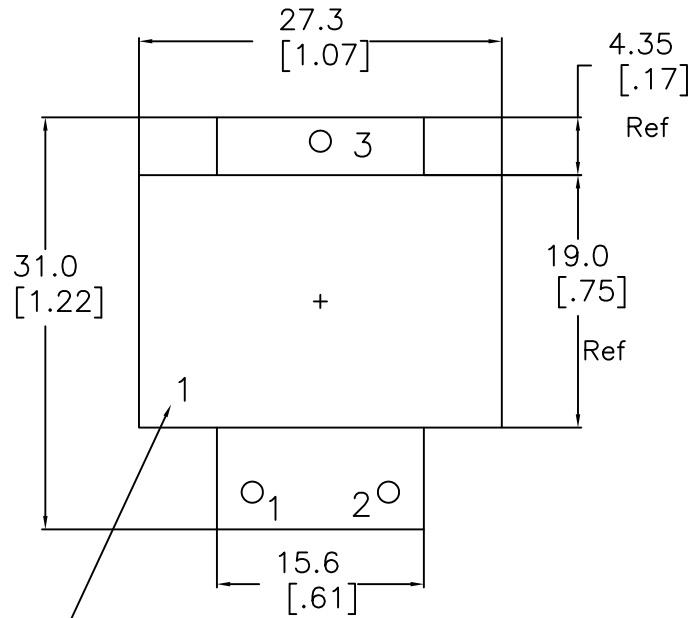
1. INDUCTANCE [1-2] = 155 uH Nom, 140 Min. @100kHz 1.0V 7.0 Adc
2. INDUCTANCE [1-2] = 128 uH Min @100kHz 1.0V 8.5 Adc @25C
3. DCR [1-2] = 44 mohms Nom, 49 Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 8.5 Adc | @100C = 8.0 Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 7.5 Adc
7. TEMPERATURE RATING: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

SUGGESTED PAD LAYOUT [PCB TOP VIEW]



No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-155-LTC
.XXX ± 0.380	DRAWN			Customer
.XX ± 0.54	CHKD			Part #:
.X ± 1.0	APPR		06.16.17	SIZE SCALE
ANGLE ±				ISSUE A REV 00

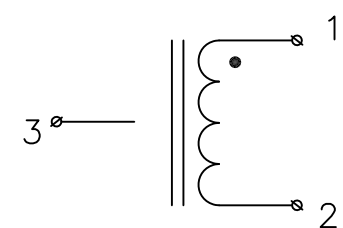
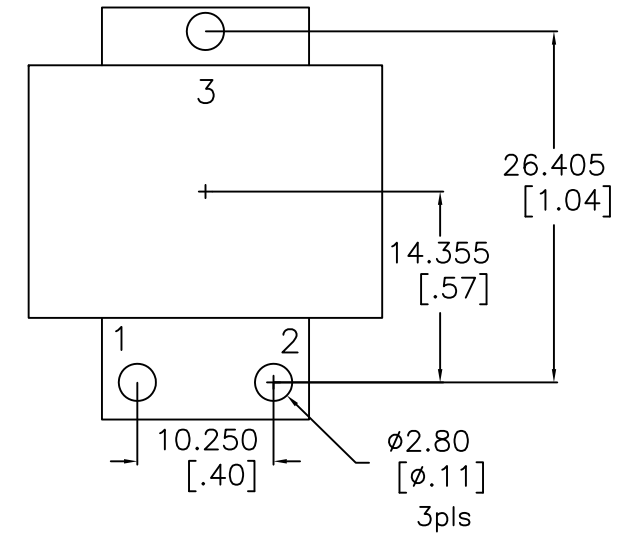
MECHANICAL DIMENSIONS [TOP VIEW]



NOTES:

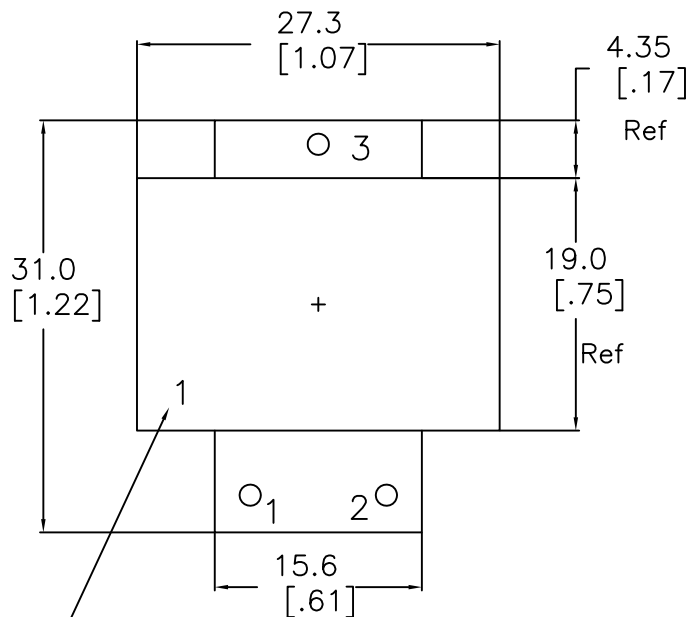
1. INDUCTANCE [1-2] = 220 uH Nom, 198 Min. @100kHz 1.0V 5.0 Adc
2. INDUCTANCE [1-2] = 187 uH Min @100kHz 1.0V 6.0 Adc @25C
3. DCR [1-2] = 58 mohms Nom, 63 Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 6.0 Adc | @100C = 5.0 Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 6.8 Adc
7. TEMPERATURE RATING: -55C to +130C [Inclusive of Temp Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

SUGGESTED PAD LAYOUT [PCB TOP VIEW]

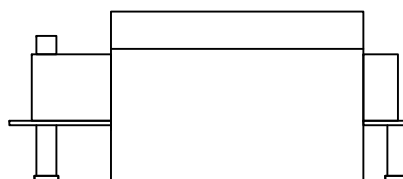
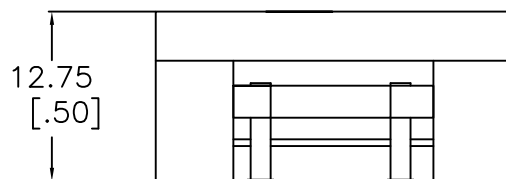


No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-220-LTC
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.XX ± 0.54	CHKD			Part #:
.X ± 1.0	APPR		06.16.17	SIZE SCALE
				ISSUE A REV 00

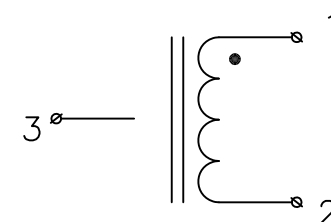
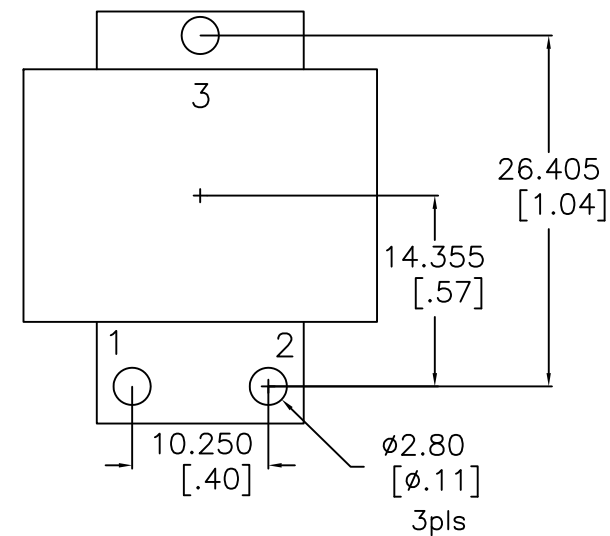
MECHANICAL DIMENSIONS [TOP VIEW]



Mark #1 on Ferrite Core



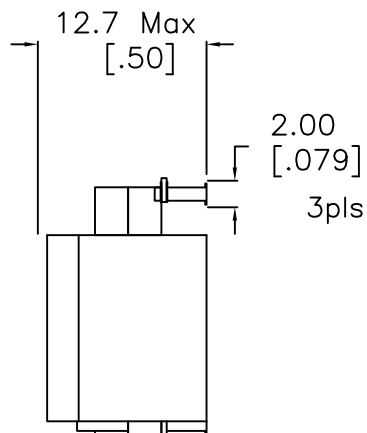
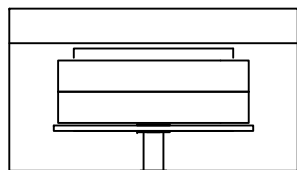
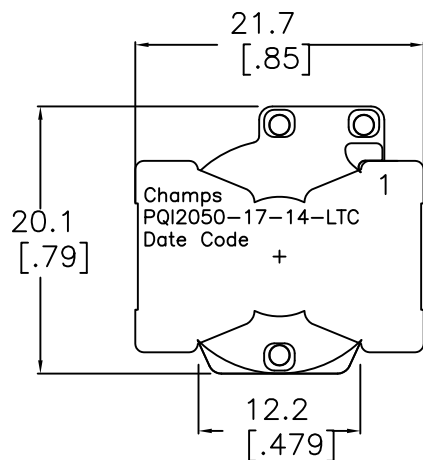
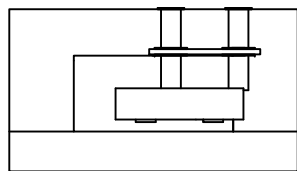
SUGGESTED PAD LAYOUT [PCB TOP VIEW]



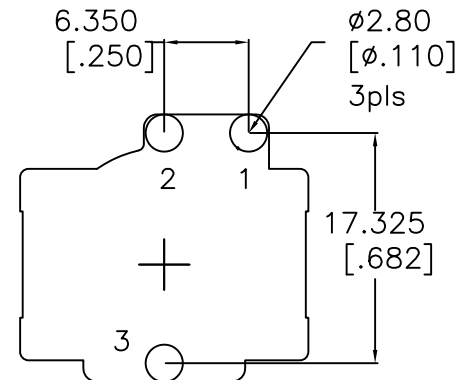
NOTES:

1. INDUCTANCE [1-2] = 330 uH Nom, $\pm 10\%$ @100kHz 1.0V 4.0 Adc
2. INDUCTANCE [1-2] = 280 uH Min @100kHz 1.0V 4.8 Adc @25C
3. DCR [1-2] = 69 mohms Nom, 81 Max
4. DIELECTRIC ISOLATION > 500 VDC [1-2], : CORE
5. SATURATION CURRENT @25C = 4.8 Adc | @100C = 4.0 Adc
6. HEATING CURRENT FOR 45C RISE AT 25C AMBIENT = 6 Adc
7. Operating Ambient Temperature: -55C to +130C [Inclusive of Temps Rise]
8. RoHS Level 6/6 Compliance || 96/4 Sn/Ag Pin Composition

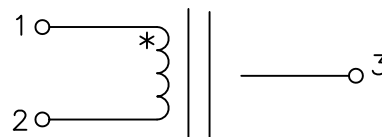
No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN PQI26-330-LTC
.XXX $\pm$ 0.380	DRAWN			Customer
.XX $\pm$ 0.54	CHKD			Part #:
.X $\pm$ 1.0	APPR		06.16.17	SIZE SCALE
				ISSUE A REV 00



SUGGESTED PAD LAYOUT



Schematic



INDUCTANCE [1-2] = 17 uH Nom, 15.3 Min. @10kHz/0.1V 14.5 Adc
 INDUCTANCE [1-2] = 14.5 uH Min @10kHz/0.1V 16.8 Adc
 DCR [1-2] = 8.7 mohms Nom, 10.6 Max
 DIELECTRIC ISOLATION > 500 VDC [1-2] : CORE
 SATURATION CURRENT @25C = 16.8 Adc | @85C = 15.5 Adc
 HEATING CURRENT FOR 40C RISE AT 25C AMBIENT = 16Adc
 RoHS Level 6/6 and REACH Compliant
 OPERATING TEMP RANGE -55C to +130C [Inclusive of Temp Rise]

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED	DRAWN	SIGN	DATE	Champs-Tech PN PQI2050-17-14-LTC
	CHKD		05.03.17	Customer
	APPR			Part #:
				SIZE SCALE
.XXX ± 0.254				ISSUE A
.XX ± 0.508				REV 00
.X ANGLE ± 0.78				