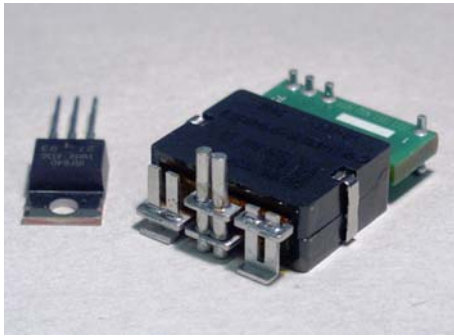




RoHS Compliant

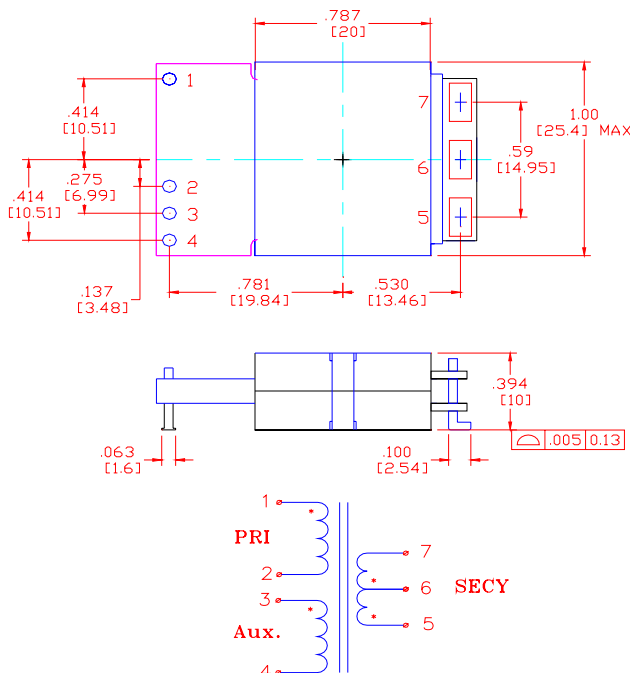
PL58-AC Series “Off- Line”



- Off-Line Converter Apps: Forward w/ Active or Resonant Reset | ZVT Full Bridge | Resonant
- Power Rating 100-300W Typical w/ Forward Topology & 200-1000W Utilizing ZVT Full Bridge Topology
- Frequency Range: 100 Khz to 1 Mhz
- New Planar Core –Low Loss | Hi-Perm | Self Shielding

Part #	Pri T	SecT	Pri Induct μH (Min)	Pri DCR $\text{m}\Omega$	Sec DCR $\text{m}\Omega$	Leakage L (μH)	Inter-leave	Max Height (mm)
PL58-AC-801	28	1T	2600	160	0.25	0.60	Double	10.2
PL58-AC-802	28	1T 1T	2600	160	0.50 0.50	0.60	Double	10.2
PL5-AC-803	22	1T	1600	140	0.25	0.48	Double	10.2
PL58-AC-804	22	1T 1T	1600	140	0.50 0.50	0.48	Double	10.2
PL58-AC-805	20	1T	1360	120	0.25	0.43	Double	10.2
PL58-AC-806	20	1T 1T	1360	120	0.50 0.50	0.43	Double	10.2
PL58-AC-807	18	1T	1100	100	0.25	0.40	Double	10.2

Notes: Operating Temp. -50°C to +130°C | Primary to Secondary Isolation 3000 Vrms



•Mechanical Configuration: SMT | Thru-Hole | Point-to-Point | Embedded Multi-Layer in PCB. Contact factory for available options and technical support.

•Thermal Impedance: ~20°C/W Natural Convection | ~8°C/W Heat Sink 1 Side (Contact Factory)

•Std Line PL58 Series suitable for operation in reference designs of major IC manufacturers – e.g. ON Semiconductor, Texas Instruments, STM Micro-electronics, LTC, Maxim

•Reference Design for Telecom Application 1/4 “Brick”. Forward Converter Topology w/ Resonant Reset operating at 68% duty at 300 Khz supplies 200W – 3.3dcV nom @33A and +/-15Vdc @3A each

•Reference Design for OEM -- Application IBA to distribute +12V from PFC Off line Input Source. ZVT Bridge Converter Topology operating at 85% duty at 300 Khz supplies 540W (+12V@45A) with Vin ranging from 180 Vdc min to 360 Vdc max. Transformer loss was ~4W @85°C pcb heat sink -- <125°C Hot Spot.