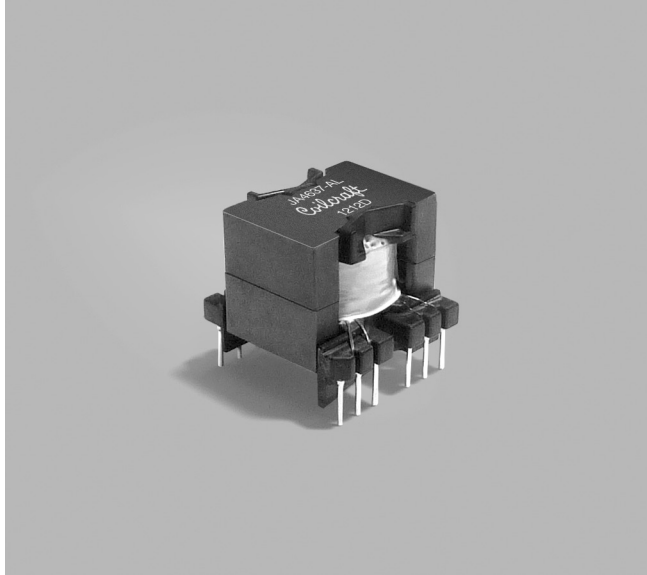


PRELIMINARY

Coupled Inductor

For SEPIC
Applications



- Developed for use with Texas Instruments TPS40210 SEPIC Converter; shown on PMP5143 reference design.
- 1 : 1 coupled inductor
- Can also be used as a flyback transformer or in Zeta applications
- Winding to winding isolation: 100 Vrms

Core material Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 40.2 g

Ambient temperature -40°C to +85°C

Storage temperature Component: -40°C to +85°C.
Packaging: -40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

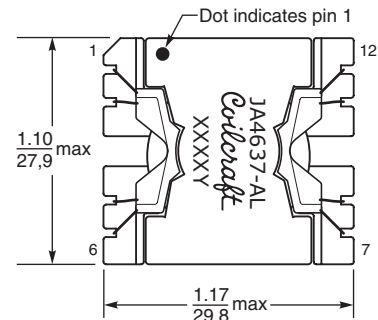
Failures in Time (FIT) / Mean Time Between Failures (MTBF)
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 64 per tray

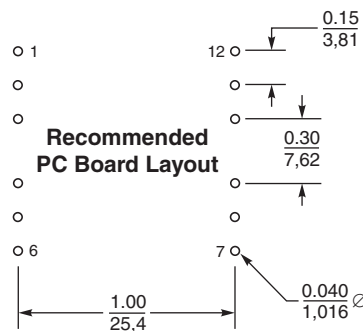
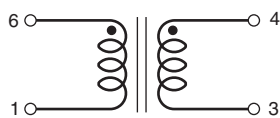
PCB washing Only pure water or alcohol recommended

Part number	Inductance ¹ ±10% (µH)	DCR max ² (Ohms)	Leakage inductance ³ min (µH)	Isat ⁴ (A)
JA4637-AL	250	0.10	0.20	2.5

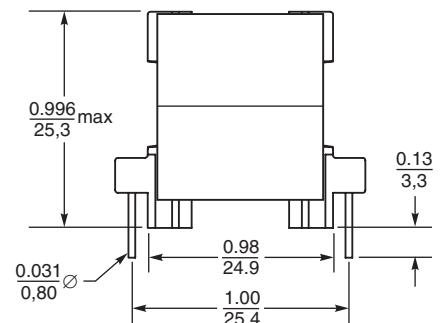
1. Inductance is measured at 200 kHz, 1.0 Vrms.
2. DCR is for each winding
3. Leakage inductance measured from pin 6 to pin 1 with pins 3 and 4 shorted.
4. Current at which inductance drops 10% from its value without current
5. Electrical specifications at 25°C.



Parts manufactured prior to February, 2012 may be marked differently.



Dimensions are in $\frac{\text{inches}}{\text{mm}}$



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