

NEW!

SMT Planar Transformer

Resonant transformer
up to 50 Watts

- Designed for 50 W interleaved LLC converter development board EV84C64A from Microchip
- New planar transformer design, higher power density and lower profile vs. the wire wound type
- Operates up to 1000 kHz, with 38-42 V DC input voltage

Core material Ferrite**Terminations** RoHS compliant matte tin over nickel over brass**Weight** 11.44 g**Ambient temperature** -40°C to +125°C**Maximum part temperature** +145°C (ambient + temp rise).**Storage temperature** Component: -40°C to +125°C.

Tape and reel packaging: -40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)**Packaging** 36 per tray**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Primary inductance ² ±10% (µH)	Leakage inductance ³ max (µH)	Turn ratio Pri : Sec	DCR max (mOhms)		Volt-time product typ ⁵ (Vµsec)	Isolation voltage ⁶ (Vrms)
				Pri ⁴	Sec		
YA9215-ALD	3.2	0.105	4 : 1	7.35	0.65	75	500

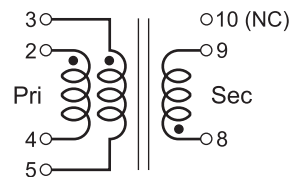
1. When ordering, please specify **packaging** code:

YA9215-ALD

Packaging: Blank In trays, 36 per tray

D = Optional tape and reel (additional cost). Factory order only, not stocked. 13" machine-ready reel. EIA-481 embossed plastic tape. 250/13" reel. Plastic tape: 44 mm wide, 0.50 mm thick, 32 mm pocket spacing, 9.4 mm pocket depth. Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

- Inductance measured on an Agilent/HP 4284 at 800 kHz, 0.8 Vrms, 0 Adc, with primary windings connected in parallel.
 - Leakage inductance is for the primary windings connected in parallel, measured at 800 kHz, 0.8 Vrms, 0 Adc with secondary windings shorted.
 - Primary DCR is for the primary windings connected in parallel.
 - Volt-time product is based on primary windings connected in parallel.
 - 500 Vrms, one minute isolation (hipot) measured between primary and secondary.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Connect pin 2 and 3,
4 and 5 on PC board

Pin 10 is for mounting stability



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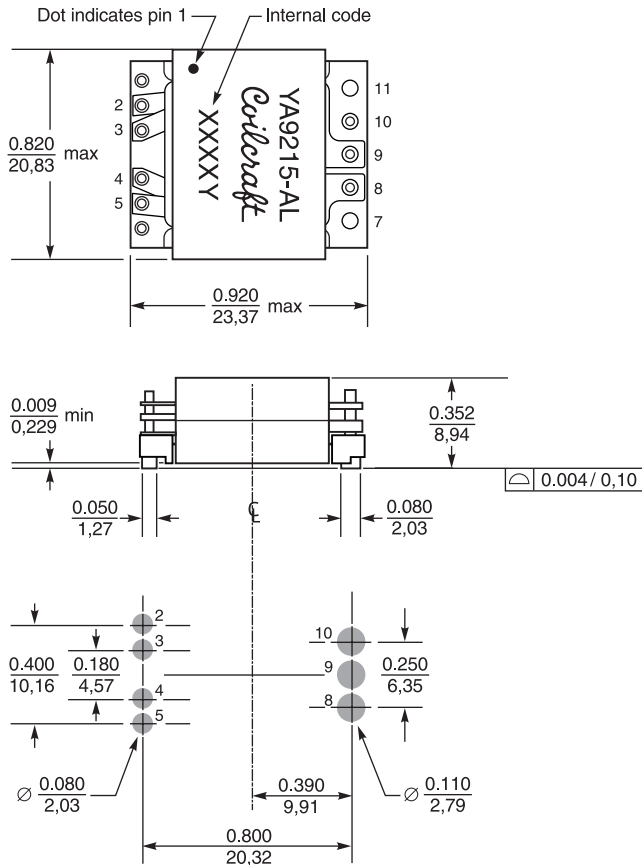
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.



YA9215-AL Series SMT Planar Transformer



Recommended Land Pattern

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



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