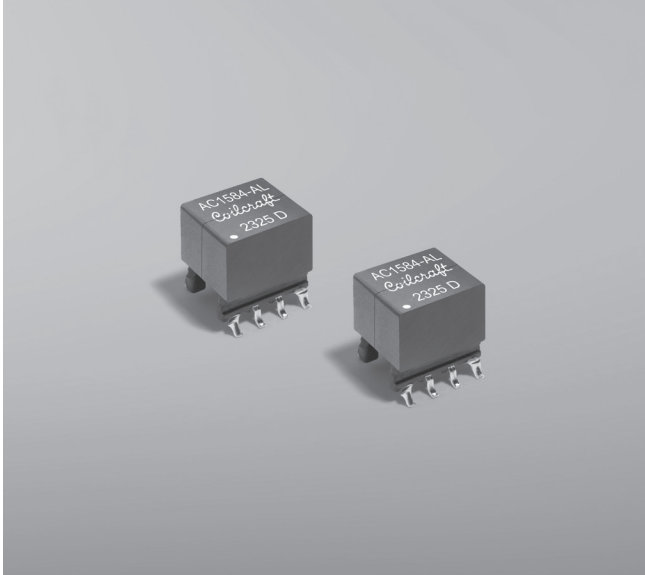


NEW!

No-Opto Flyback Transformer AC1584-AL



- Optimized for MP8017 Active clamp Flyback converter for Monolithic Power.
- Designed to meet IEEE802.3af standard for 13 W POE PD converters and operates with 37 – 57 V input
- 1500 Vrms, one minute isolation (hipot) between primary and secondary

Core material Ferrite

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

Weight 2.1 g

Ambient temperature -40°C to +85°C

Max Part Temperature +125°C (ambient + temperature 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

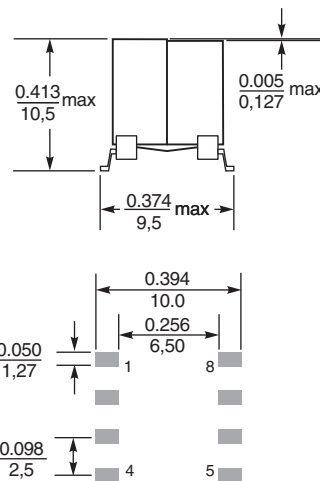
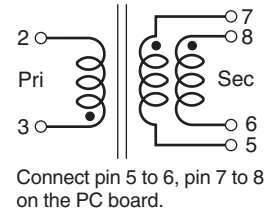
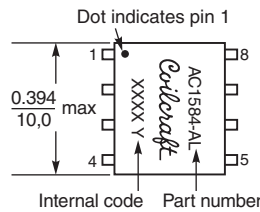
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging 300 per 13" reel Plastic tape: 32 mm wide, 0.5 mm thick, 20 mm pocket spacing, 10.69 mm pocket depth

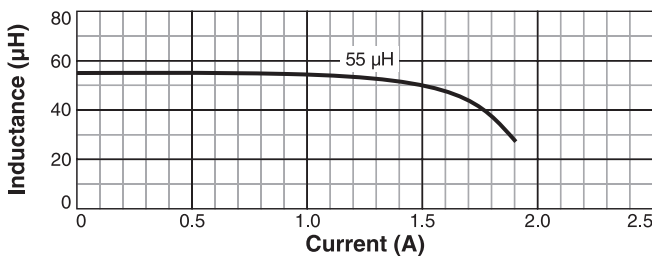
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Inductance at 0 A ² ±10% (µH)	Isat ³ (A)	DCR max (Ohms)			Leakage inductance max (µH) ⁴	Turns ratio		Isolation ⁵ (Vrms)	Power (W)	Output
			pri	sec1	sec2		pri : sec1	: sec2			
AC1584-ALD	55	1.8	0.195	0.024	0.018	1.25	1 : 0.208	: 0.208	1500	13	5 V, 2.4 A

- Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (300 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance is for the primary, measured at 100 kHz, 0.1 Vrms, 0 Adc.
 - DC current that causes the primary inductance drop 30% from its value without current.
 - Leakage inductance is for the primary winding with the secondary windings shorted.
 - 1500 Vrms, one minute isolation (hipot) between primary and secondary.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



L vs Current



Recommended Land Pattern

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



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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.