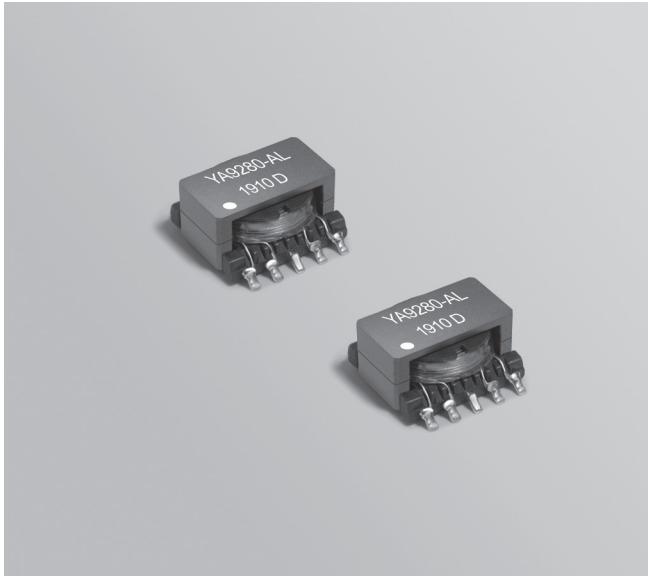


NEW!

Flyback Transformer



For Maxim Integrated MAX17690
Peak Current Mode Controller



- Isolated non-synchronous flyback transformers developed for Maxim Integrated MAX17690 reference design.
- Designed for discontinuous conduction mode, 17 – 36 V input
- 1500 Vrms isolation primary to secondary windings

Core material Ferrite

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

Weight 1.5 g

Ambient temperature -40°C to +125°C

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)

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

Packaging 500 per 13" reel Plastic tape: 24 mm wide, 0.36 mm thick, 16 mm pocket spacing, 6.13 mm pocket depth

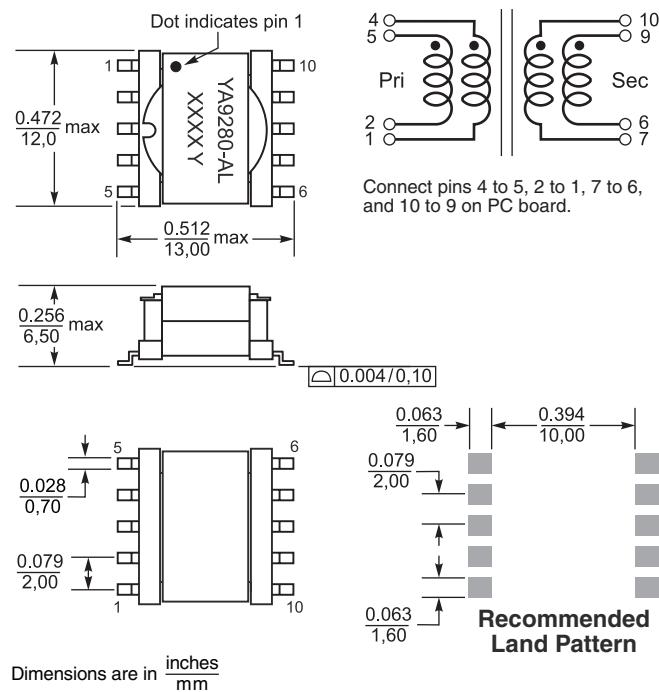
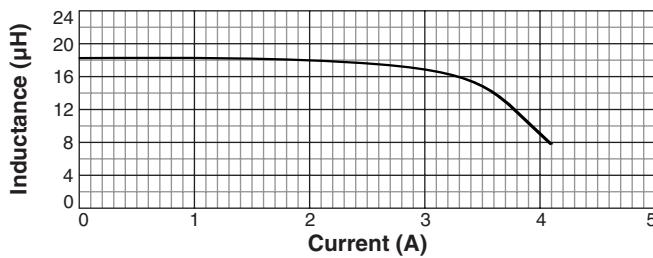
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Inductance at 0 Adc ² ±10% (μH)	Inductance at 2.6 Adc ³ min (μH)	I _{sat} ⁴ (A)	DCR max (Ohms) pri sec	Leakage Inductance ⁵ max (μH)	Turns ratio pri : sec	Isolation ⁶ (Vrms)	Output
YA9280-ALD	18	15.3	3.75	0.101	0.027	0.572	1 : 0.4	1500 5 V, 1.5A

1. **Packaging: D** = 13" machine ready reel. EIA-481 embossed plastic tape (500 parts per full reel).
2. Inductance is for the primary, measured at 150 kHz, 0.1 Vrms, 0 Adc.
3. Minimum inductance is for the primary, measured at 150 kHz, 0.1 Vrms, 2.6 Adc.
4. DC current that causes an inductance drop of 30% (typ) from its value without current.
5. Leakage inductance is for the primary winding with the secondary windings shorted.
6. Isolation (hipot) measured between windings for one minute.
7. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

L vs Current



www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
 UK +44-1236-730595 sales@coilcraft-europe.com
 Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
 China +86-21-6218 8074 sales@coilcraft.com.cn
 Singapore +65-6484 8412 sales@coilcraft.com.sg

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Coilcraft:](#)

[YA9280-ALD](#)