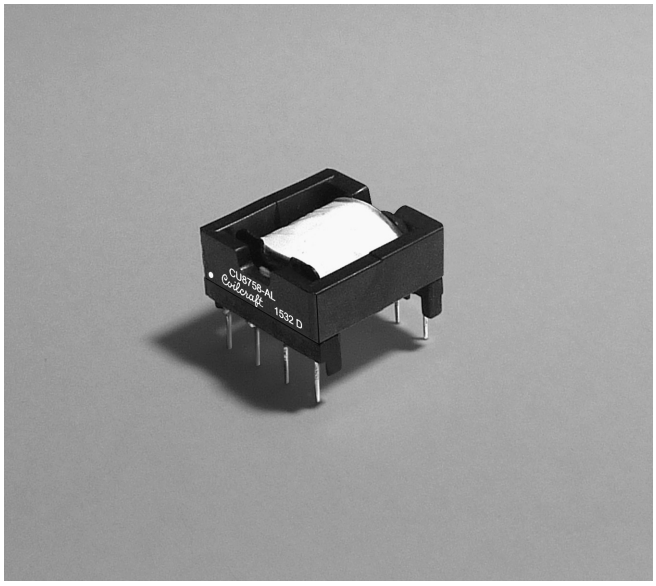
NEW!

RoHS COMPLIANT

Flyback Transformer

For Maxim MAX17597 Flyback Configuration



- Mounted on Maxim MAX17597 Evaluation Kit
- 18 V – 36 V primary input
- 24 V, 0.833 A output
- 1500 Vrms, one minute isolation between primary and secondary

Core material Ferrite

Terminations RoHS tin-silver-copper (96.5/3.0/0.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 13.4 g

Ambient temperature –40°C to +125°C

Maximum part temperature 135°C (ambient + temp rise)

Storage temperature Component: –40°C to +125°C. Tray 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)

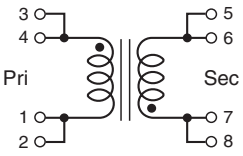
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 100 parts per tray

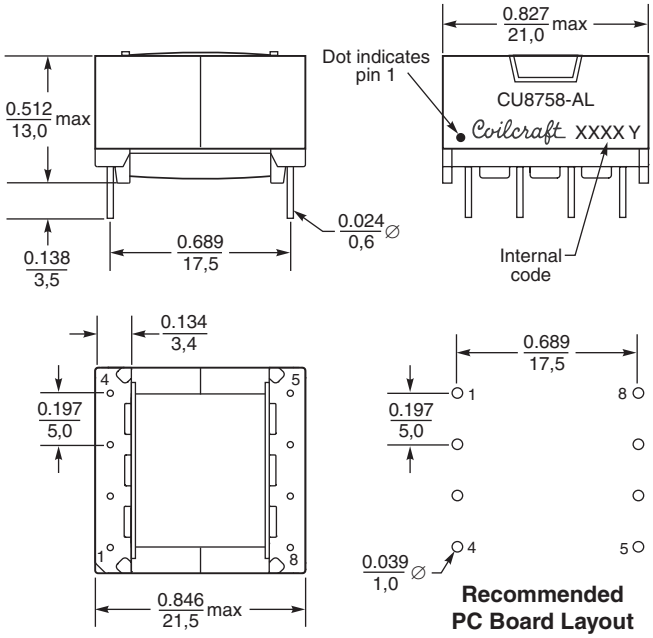
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Part number	Inductance at 0 Adc[1] ±10% (µH)	Inductance at Ipk[2] min (mH)	DCR max (Ohms) pri	DCR max (Ohms) sec	Leakage Inductance[3] max (µH)	Turns ratio pri : sec	Ipk[2] (A)	Output
CU8758-AL	33	26	0.03	0.041	0.8	1 : 1.85	3.3	24 V, 0.833 A

1. Inductance is for the primary, measured at 200 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. Leakage inductance is for the primary winding with the secondary winding shorted.
4. Electrical specifications at 25°C.



The following pins to be connected on the PC board:
Pins 1 – 2
Pins 3 – 4
Pins 5 – 6
Pins 7 – 8



Recommended PC Board Layout

Dimensions are in inches / mm

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