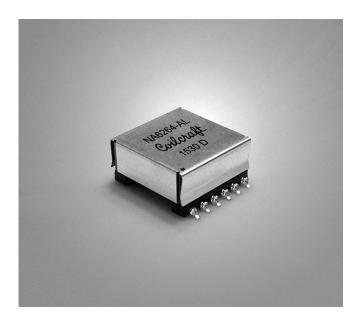


Flyback Transformer For Texas Instruments PMP7899 Reference Design



- Developed for Texas Instruments PMP7899 Reference Design for Non-Synchronous Flyback Converter with an Isolated Output
- 8 18 V input; 48 V, 1 A output
- · Aux winding output 9 V, 20 mA
- 1500 Vrms, one minute primary and aux to secondary isolation (hipot)

Core material Ferrite

Terminations RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 25.9 g

Ambient temperature -40°C to +125°C

Maximum part temperature +125°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)

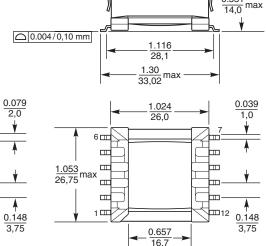
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332 Packaging 24 parts per tray

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 ±15% (µH)	Inductance at Ipk ² min (µH)	DCR max (Ohms)	Leakage Inductance ³ max (µH)	Turn pri : sec	s ratio pri : aux	Ipk ² (A)	Output ⁴
NA6264-AL	2.56	2.176	0.0065 (pins 1-3) 0.0065 (pins 2-4) 0.130 (pins 5-6) 0.110 (pins 11-8)	0.060	1:6	1:1.5	16.5	48 V, 1 A

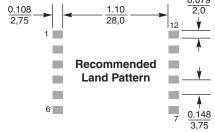
- 1. Inductance is for the primary with windings connected in parallel, measured at 300 kHz, 0.3 Vrms.
- 2. Peak primary current drawn at minimum input voltage.
- 3. Leakage inductance is for the primary with the windings connected in parallel and with the secondary winding shorted.
- 4. Output is for the secondary. Aux winding output is 9 V, 20 mA.
- 5. Electrical specifications at 25°C.

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



Aux

Primary windings to be connected on the PC board.





inches Dimensions are in



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Dot indicates pin 1

0.551

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