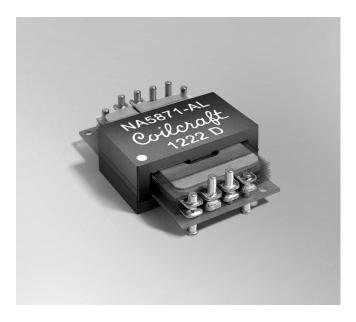


## 800 W Planar Transformer

## For TI UCC28950 Controller



- Designed for Texas Instruments PMP6712 Dual-Channel Full-Bridge Converter for PoE Power Sourcing (PSE)
- 38 60 V input; 54 V, 15 A output
- 1500 Vrms, one minute isolation from primary to secondary windings
- Listed as T2 and T4 on Texas Instruments BOM-PMP6712
- Insulated bottom surface

Core material Ferrite Terminations Matte tin over nickel over brass. Weight 56 g

Ambient temperature -40°C to +125°C Storage temperature Component: -40°C to +125°C. Tray packaging: -40°C to +80°C

Maximum part temperature +165°C (Ambient + temperature rise) 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 20 per tray

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787\_PCB\_Washing.pdf.

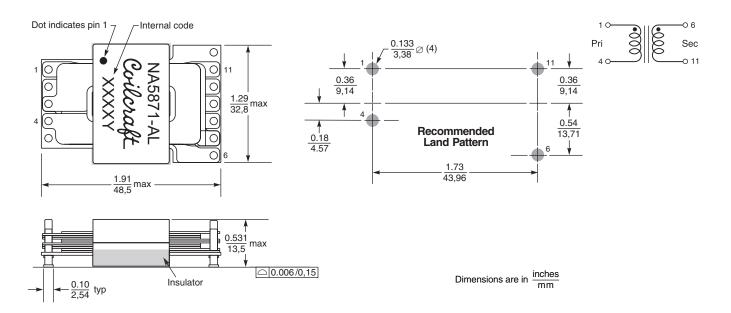
Inductance at0A1		DCR max (mOhms)		Leakage inductance	Turns	
Part number	min (µH)	pri	sec	max (µH)	pri : sec	Output
NA5871-AL	42	1.37	4.4	0.20	3:5	54 V, 15 A

1. Inductance is measured at 100 kHz, 0.1 Vrms, 0 Adc.

2. Leakage inductance is for the primary, measured with the secondary shorted

3. Electrical specifications at 25°C.

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





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