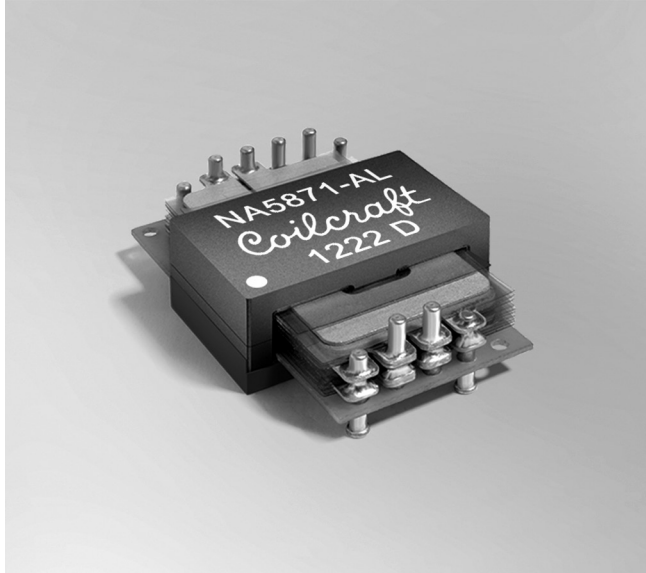


800 W Planar Transformer

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](#).

| Part number | Inductance at 0A ¹ min (µH) | DCR max (mOhms) | | Leakage inductance max (µH) | Turns pri : sec | Output |
|-------------|--|-----------------|-----|-----------------------------------|--------------------|------------|
| | | pri | sec | | | |
| 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.

