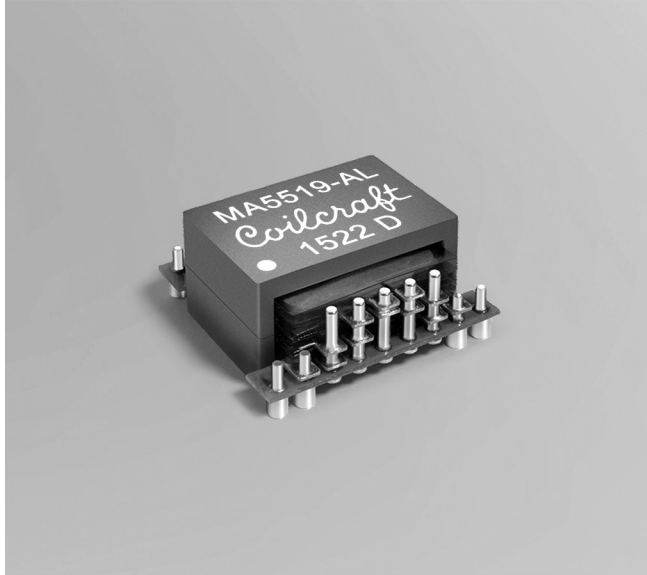




# 720 W Planar Transformer

For TI 720 W Full Bridge  
DC/DC Converter



- Developed for Texas Instruments PMP9219 LM5045 Based 720 W Power Converter
- Designed to operate at 400 kHz with 36 – 75 V input
- 1500 Vrms, one minute isolation from primary to secondary windings
- Listed as T2 on Texas Instruments BOM-PMP9219

**Core material** Ferrite

**Terminations** Matte tin over nickel over brass.

**Weight** 53.9 g

**Ambient temperature** –40°C to +125°C

**Maximum part temperature** +150°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

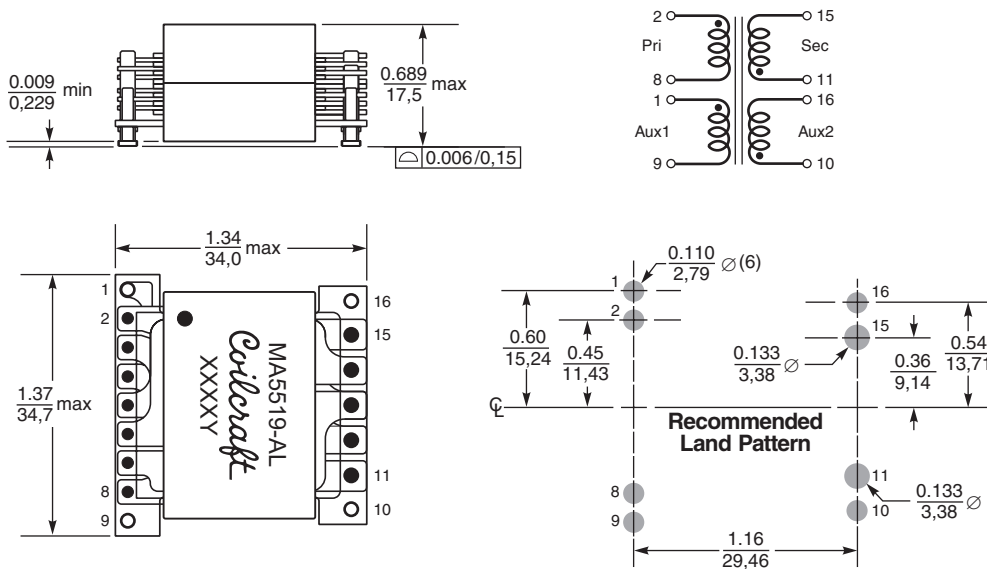
**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)

**Packaging** 16 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 <sup>1</sup> ±30% (µH)	DCR max (mOhms)				Leakage inductance max (µH)	Turns				Output
		pri	sec	aux1	aux2		pri	sec	aux1	aux2	
MA5519-AL	190.8	5.0	1.53	178	178	0.13	6	4	2	2	12 V, 60 A

1. Inductance is measured at 300 kHz, 1.0 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.



Dimensions are in  $\frac{\text{inches}}{\text{mm}}$



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