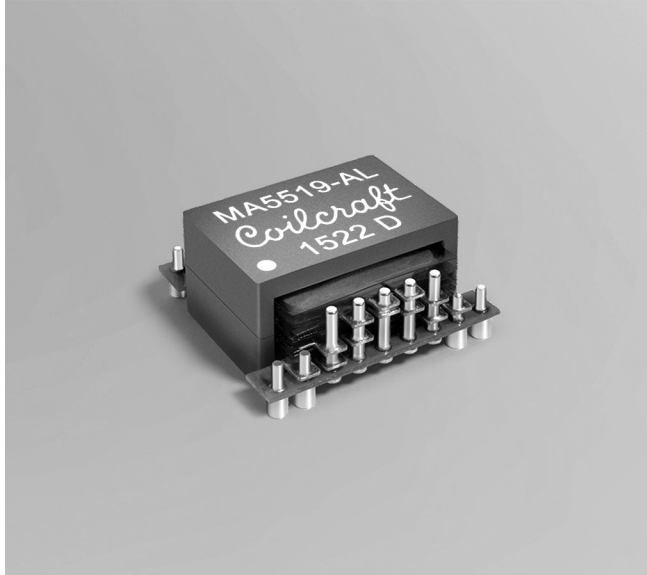




720 W Planar Transformer

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 +145°C (ambient + temp rise)

Storage temperature Component: –40°C to +145°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](#).

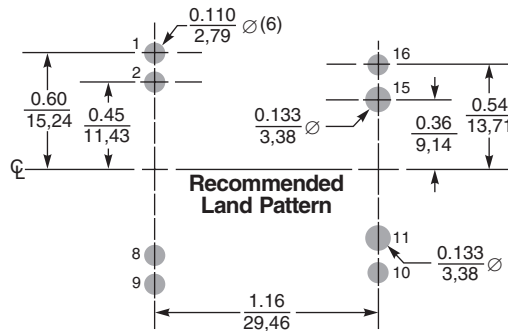
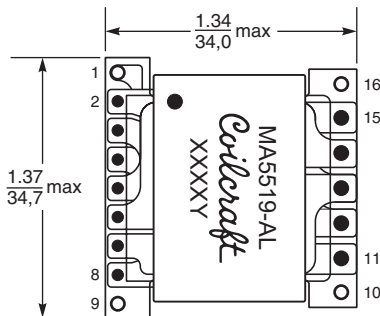
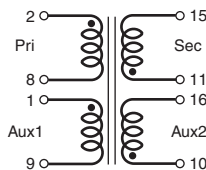
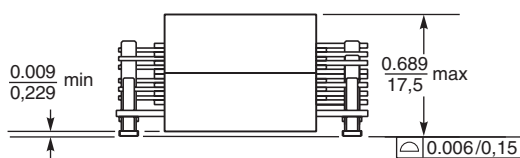
Part number	Inductance at 0A ¹ ±30% (μH)	DCR max (mOhms)				Leakage inductance max (μH)	Turns				Output
		pri	sec	aux1	aux2		pri	sec	aux1	aux2	
MA5519-AL	190.8	5.0	1.53	178	178	0.13	6	4	2	2	12 V, 60 A

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
inches
mm



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