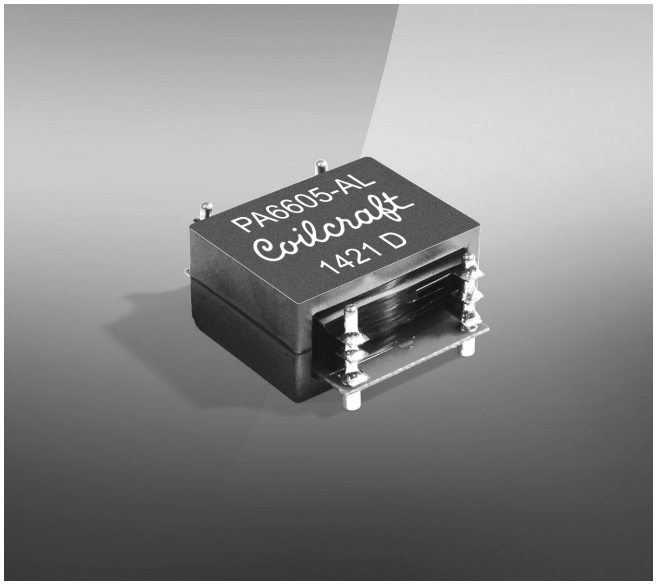
NEW!

RoHS COMPLIANT

Planar Transformer

For TI LM5122 Synchronous Flyback Controller



- Designed for Texas Instruments LM5122 Synchronous Flyback Controller with Multiple Phase Capability
- 96% efficiency
- 9.0 – 60 V input; up to12 V, 5 A output
- 500 Vrms, one minute isolation from primary to secondary and core

Core material Ferrite

Terminations Matte tin over nickel over brass.

Weight 23.5 g

Ambient temperature –40°C to +85°C

Storage temperature Component: –40°C to +85°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

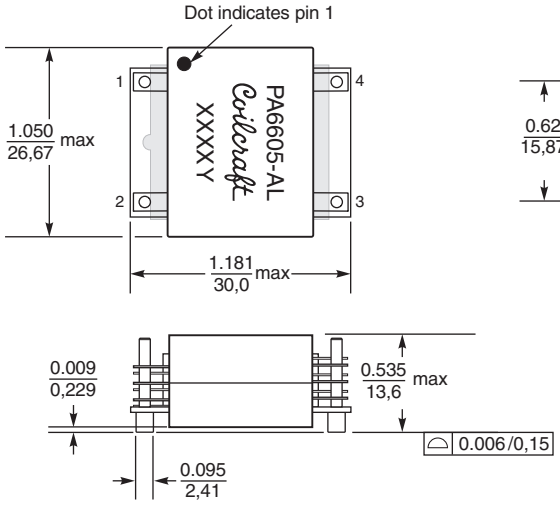
Packaging 25 parts per tray

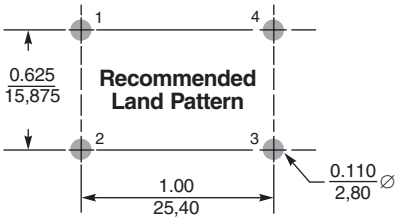
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

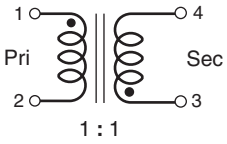
Part number	Inductance at 0 A[1] ±10% (µH)	Inductance at Ipk[2] min (µH)	DCR max[3] (mOhms)	Leakage inductance[4] max (µH)	Ipk[2] (Adc)	Output
PA6605-AL	10	9.0	4.7	0.13	12.5	12 V, 5 A

1. Inductance is measured at 250 kHz, 0.1 Vrms.
2. Ipk is the current drawn at minimum input voltage
3. DCR is for each winding
4. Leakage inductance is for the primary, measured at 250 kHz, 0.1 Vrms with secondary winding shorted.
5. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.







Dimensions are in inches / mm

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