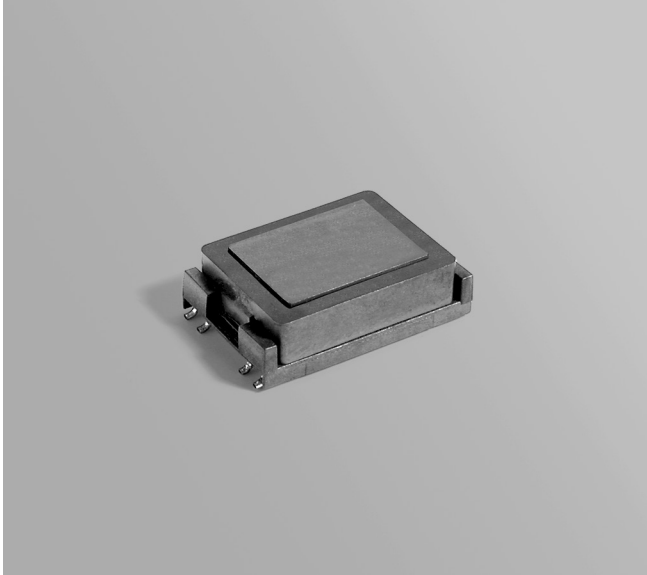




CCFL Transformer

For Texas Instruments
TPS68000 CCFL Controller



The FA2786-BL was developed specifically for the Texas Instruments TPS68000 Phase Shift Full Bridge CCFL Controller. It is designed for use in cold cathode fluorescent lamp power supplies operating at frequencies up to 100 kHz.

This transformer is specified in the Texas Instruments TPS68000EVM-202 dual-transformer reference design. This reference design shows a single TPS68000 driving two FA2786-BL transformers and CCFL lamps. Isolation is 500 Vrms between windings and 2000 Vrms from each winding to the core.

Free evaluation samples are available by contacting Coilcraft or ordering them on-line at www.coilcraft.com.

Weight 6.0 g

Terminations Tin-silver (96.5/3.5) over tin over nickel over phos-bronze

Packaging 400/13" reel Plastic tape: 44 mm wide, 0.37 mm thick, 20 mm pocket spacing, 7.8 mm pocket depth

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

Part number ¹	Turns ratio pri : sec	Output (Watts)	Inductance ² min (µH)	Vin (Volts)	Imax sec (mA)	Vrms ³ sec (Volts)	Vinst max ⁴ sec (Volts)	DCR max (Ohms)	
								pri	sec
FA2786-BL_	1:100	6.0	160	8 – 20	7.0	1600	2000	0.621	937.3

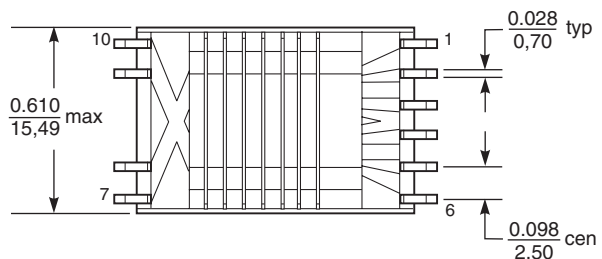
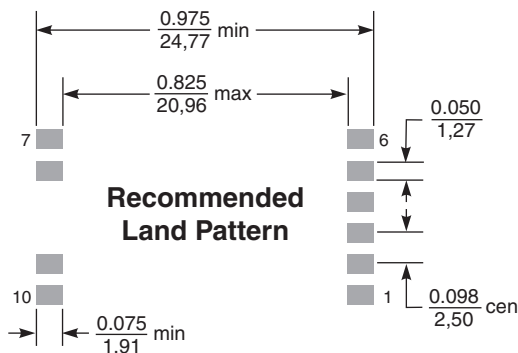
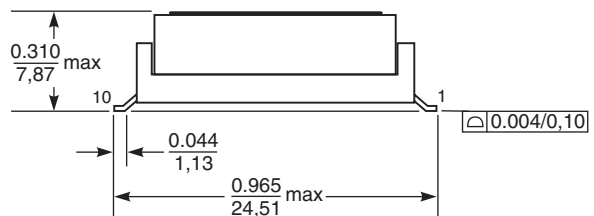
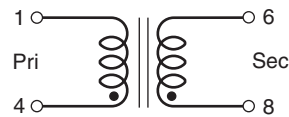
1. When ordering, please specify a **packaging** code:

FA2786-BL \bar{D}

Packaging: **D** = 13" machine ready reel. EIA-481 embossed plastic tape (400 parts per full reel).

B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance measured at 1 Vrms, 60 kHz, 0 Adc.
- Vrms=continuous voltage.
- Vinst = instantaneous voltage at startup.
- Ambient operating temperature range -40°C to +85°C.
- Electrical specifications at 25°C.



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