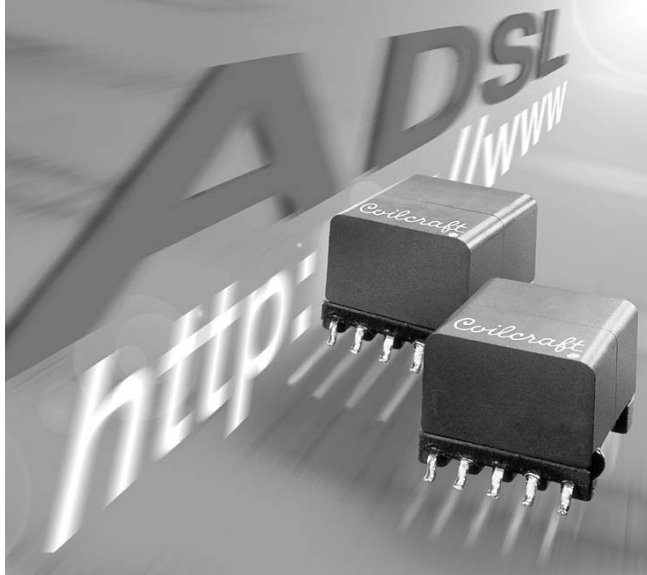


ADSL2 Transformer

For Broadcom BCM6348 Router Chip



This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.

This transformer has been designed specifically for use with the ADSL2 BCM6348 router chip from Broadcom.

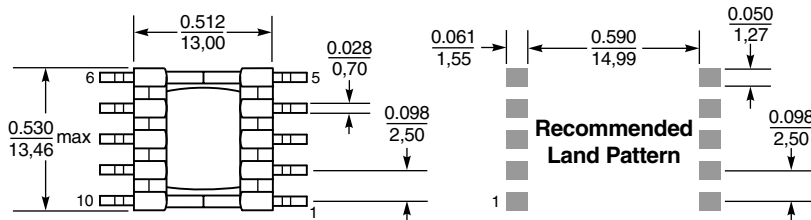
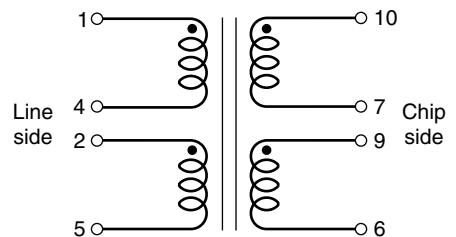
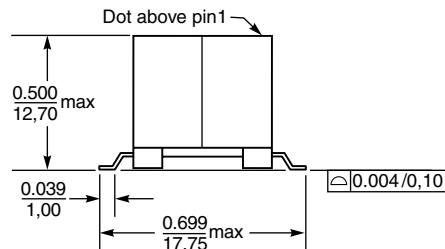
It features a compact industry-standard size, very low leakage inductance and 1875 V primary-secondary isolation. Primary inductance is stable from -40°C to +85°C and the longitudinal balance is optimized for the best overall performance at the ADSL2 transmission speed.

The B0727-B has been evaluated and approved by UL to meet 60950 under a Supplementary Insulation System with a working voltage of 250 Vrms, 353.5 V peak.

Coilcraft can also custom design a transformer for your specific application. To request free evaluation samples, please contact Coilcraft or visit www.coilcraft.com.

Part number	Turns ratio line : chip	Line side inductance ¹ ±5% (µH)	Leakage inductance ² max (µH)	Capacitance ³ max (pF)	DCR max (Ohms)		Longitudinal balance min (dB)	THD max (dB)
					line side	chip side		
B0727-B	2 : 1	409.5	6.5	65.0	0.645 (1-4) 0.645 (2-5)	0.284 (10-7) 0.371 (9-6)	50.0 (1.1 MHz)	-80

1. Inductance measured at 10 kHz, 0.1 Vrms, 0 Adc with windings connected in series.
2. Leakage inductance measured at 100 kHz, 0.1 Vrms, 0 Adc from pins 1 to 5 with all other pins shorted.
3. Capacitance measured at 100 kHz, 0.1 Vrms, 0 Adc from chip side to line side.
4. Operating temperature range -40°C to +85°C.
5. Electrical specifications at 25°C.



Weight: 6.2 g
Tape and reel: 175/13" reel 32 mm tape width
 For packaging data see Tape and Reel Specifications section.



Specifications subject to change without notice. Please check our website for latest information.

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