

**NEW!**

# SMT Power Transformers

For Analog Devices ADM2485  
Isolated RS-485 Transceiver



These surface mount power transformers were developed specifically for Analog Devices ADM2485 Isolated RS-485 Transceiver for stepping up 5 V or 3.3 V to 6 V. They can be connected for center tapped primary and secondary windings and feature 2500 Vrms interwinding isolation.

Coilcraft can also custom engineer a transformer to meet your specific requirements. To request free evaluation samples of these transformers, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

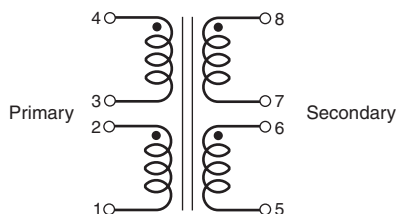
Part number <sup>1</sup>	Pri/sec voltage	Inductance <sup>2</sup> min ( $\mu$ H)	DCR max (Ohms) <sup>3</sup>		Leakage inductance <sup>4</sup> max ( $\mu$ H)	Volt-time product <sup>5</sup> (V- $\mu$ sec)	Turns ratio pri : sec
			pri	sec			
DA2303-AL_	5 V to 6 V	45.6	0.130	0.260	1.0	34.4	1 : 1.5
DA2304-AL_	3.3 V to 6 V	17.8	0.086	0.232	0.43	21.5	1 : 2.2

1. When ordering, please specify **termination** and **packaging** codes:

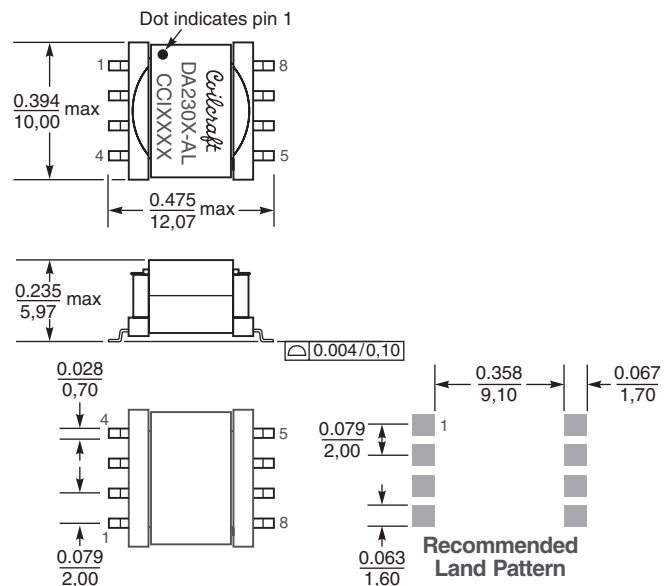
DA2303-AL D

- Termination:** L = RoHS compliant tin-silver over tin over nickel over phos bronze.  
**Special order:** T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).
- Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (600 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.

2. Inductance is tested between pins 4 and 3 at 500 kHz, 0.5 Vrms, 0 Adc.  
 3. DCR is per winding.  
 4. Leakage inductance is for the primary with both windings connected in series and with the secondary windings shorted.  
 5. Based on Bs<sub>at</sub> of the core at 25°C and number of turns on winding 4-3.  
 6. Operating temperature range -40°C to +85°C.  
 7. Electrical specifications at 25°C.



Primary windings and secondary windings to be connected in series on the PC board.



**Weight:** 0.94 – 1.0 g  
**Terminations:** Tin-silver over tin over nickel over phos bronze  
**Tape and reel:** 600/13" reel 24 mm tape width  
 For packaging data see Tape and Reel Specifications section.

# Coilcraft®

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

Document 550 Revised 12/06/06

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