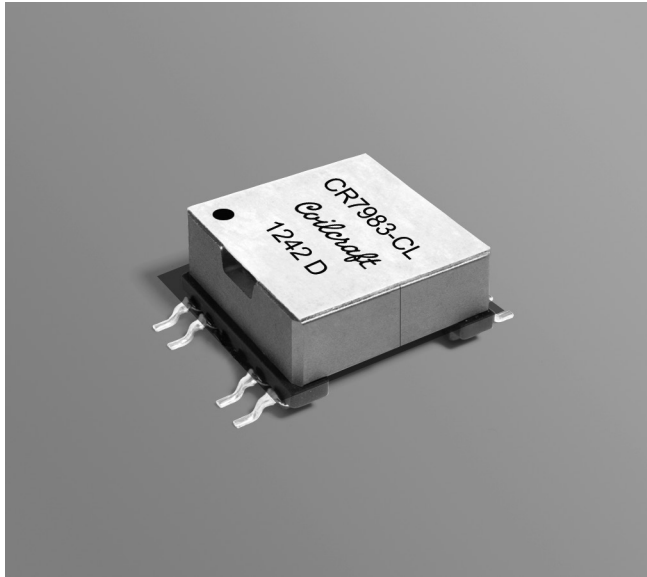




Isolation Transformers

For Analog Devices ADuM4070
Isolated Switching Regulator



- Developed to work with Analog Devices ADuM4070 Isolated switching regulator with integrated feedback
- Power rating: 2 Watts
- 5000 Vrms, one second isolation from primary to secondary.

Core material Ferrite
Terminations Tin-silver-copper over tin over nickel over phos bronze
Weight 10.1 g
Ambient temperature -40°C to +125°C
Storage temperature Component: -40°C to +125°C.
 Tape and reel 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 175 per 13" reel Plastic tape: 44 mm wide, 0.4 mm thick, 32 mm pocket spacing, 11.9 mm pocket depth
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Inductance ² min (µH)	Turns ratio	Pri / output voltages				DCR max (Ohms) ³		Leakage inductance ⁴ max (µH)	Volt-time product ⁵ (V-µsec)
			pri	output (pin5)	output (pins 6 & 8)	output (pin 7)	pri	sec		
CR7983-CL_	256	1 : 2	5 V	+3.3 to +15 V	0 V	No output	0.160	0.320	0.75	18.0
CR7984-CL_	256	1 : 3	5 V	+12 to +24 V	+6 to +12 V	0 V	0.170	0.450	0.75	18.0
CR7985-CL_	256	1 : 5	5 V	+5 to +15 V	0 V	-5 to -15 V	0.170	2.00	0.72	18.0

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

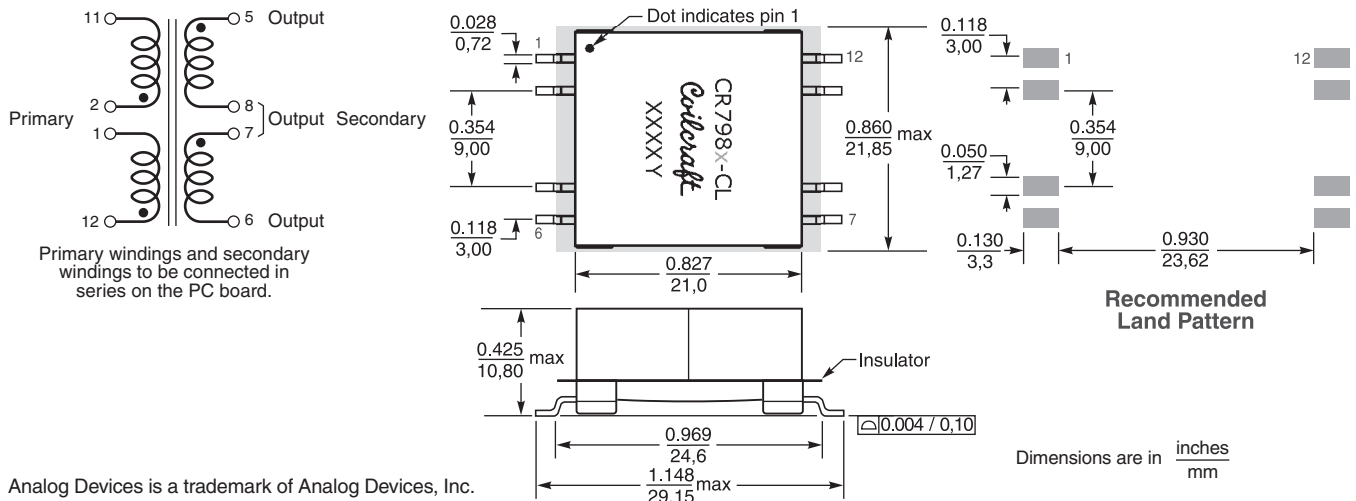
CR7985-CLD

Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (175 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance is for the primary, measured from pins 12-11 at 1 kHz, 0.1 Vrms.
3. DCR is for each winding of the primary and secondary.
4. Leakage inductance is for the primary windings, measured from pins 12-11 with all secondary windings shorted.
5. Based on V_{IN} max, F_{SW} min and number of primary turns
6. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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