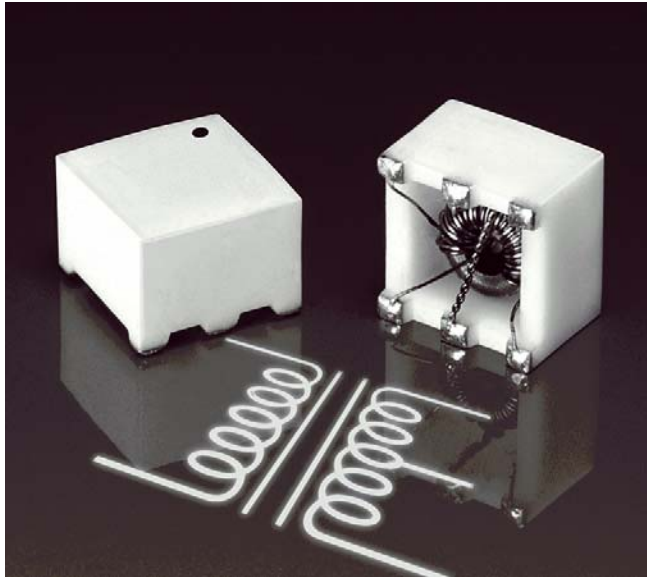


# SMT Wideband RF Transformers For ADI D/A Converters



These wideband RF transformers were developed specifically for use with Analog Devices digital to analog high-speed converters and provide excellent performance at a very economical price. They come with a tapped secondary and are packaged in a low profile, flat top ceramic case that makes them ideal for pick and place operations. They feature 400 V isolation and a 500 mA maximum current rating. Operating temperature range is  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

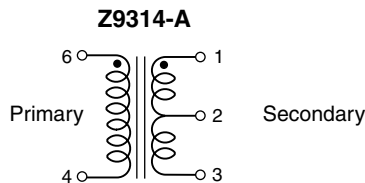
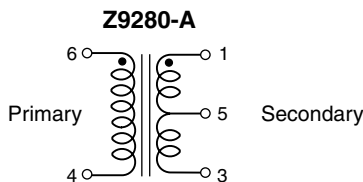
Applications include impedance matching, voltage or current transformation, DC isolation, balanced/unbalanced mixing, matching, power splitting, coupling and signal inversion.

For free evaluation samples, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

Part number	Impedance ratio pri : sec	3 dB frequency response (MHz)	I <sub>rms</sub> (mA)	Insertion loss typ (dB)	Pins 1-3		Pins 6-4		Color dot
					L min (μH)	DCR max (Ohms)	L min (μH)	DCR max (Ohms)	
Z9280-A	1 : 1	0.250 – 450	250	0.58	9.5	0.075	9.5	0.075	Orange
Z9314-A	1 : 6.25	0.350 – 1700	250	1.10	30	0.080	8.0	0.038	Black

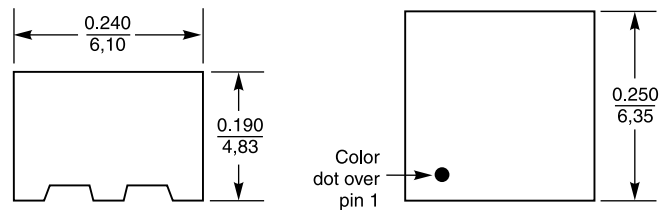
1. Operating temperature range  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
2. Electrical specifications at  $25^{\circ}\text{C}$ .

## Schematics

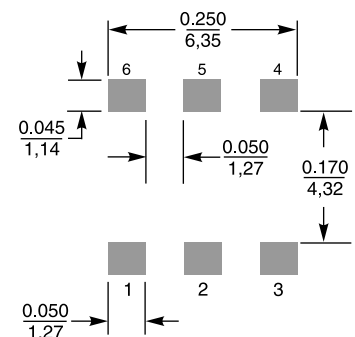


## Dimensions

All dimensions  $\pm 0.005"$   
 $\pm 0.127$  mm



### Recommended Land Pattern



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

Document 296 Revised 08/16/05

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469  
E-mail [info@coilcraft.com](mailto:info@coilcraft.com) Web <http://www.coilcraft.com>