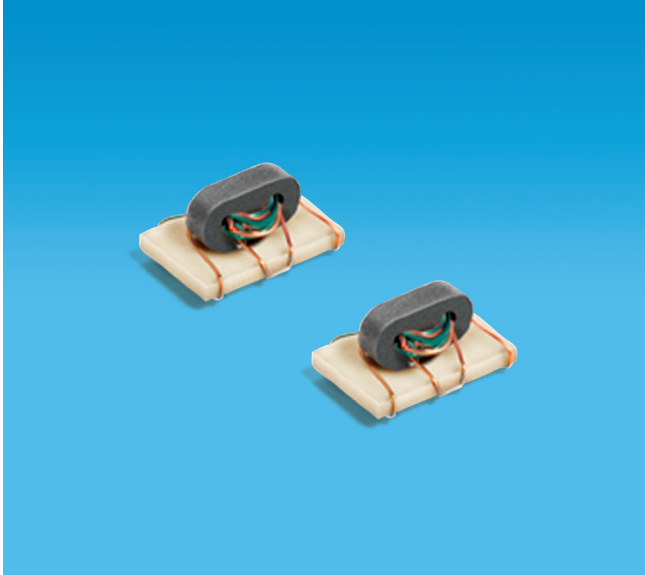


# Miniature SMT Wideband Transformer



- Miniature wideband transformer: 4.19 × 2.92 × 2.3 mm high
- 300 Vrms interwinding isolation
- 250 mA max current rating

**Core material** Ferrite

**Terminations** Tin-silver-copper over silver-platinum-glass frit. Other terminations available at additional cost.

**Ambient temperature** -40°C to +85°C

**Storage temperature** Component: -40°C to +85°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** 750/7" reel; Plastic tape: 12 mm wide, 0.3 mm thick, 8 mm pocket spacing, 2.9 mm pocket depth

Part number <sup>1</sup>	Impedance ratio <sup>2</sup> pri:sec	Bandwidth (MHz)	Insertion loss max (dB)	Pins 1-3 (primary)		Pins 6-4 (secondary)	
				L min <sup>3</sup> (μH)	DCR max <sup>4</sup> (mOhm)	L min <sup>3</sup> (μH)	DCR max <sup>4</sup> (mOhm)
CP-N0532-02B1L_	1:2	0.27–1400	0.7	10	110	20	150

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

CP-N0532-02B1LZ

**Termination:** L = Tin-silver-copper (95.5/4/0.5) over silver palladium-platinum-glass frit.

**Special order:** S = Tin-lead (63/37).

**Testing:** Z = Unscreened

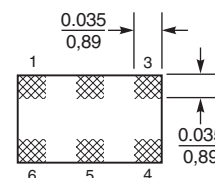
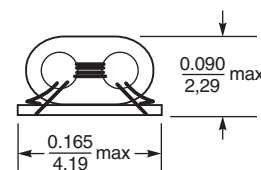
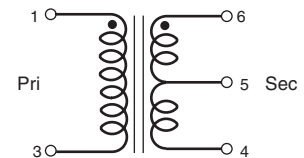
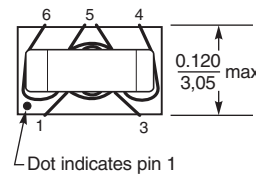
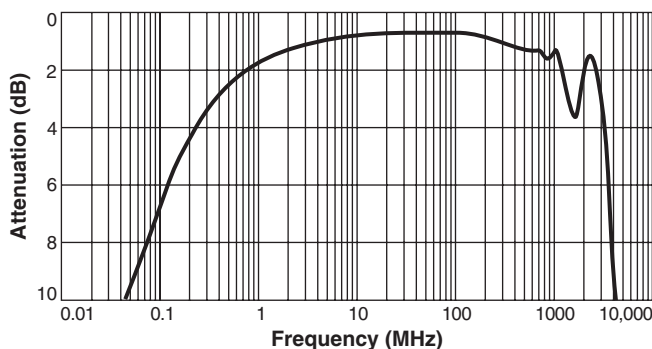
H = Group A screening per Coilcraft CP-SA-10001

N = Group A screening per Coilcraft CP-SA-10005

- Impedance ratio is for the full primary winding to the full secondary winding.
- Inductance measured at 100 kHz, 0.1 V, 0 A<sub>dc</sub> on a Voltech AT3600 or equivalent.
- DCR measured on a Voltech AT3600 or equivalent.
- Electrical specifications at 25°C. Measurements are referenced to 50 Ohms. Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

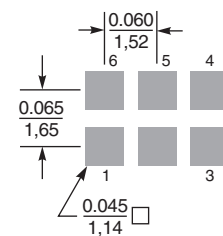
## Typical Frequency Response

(Measured on a network analyzer, re: 50 Ohms)



Dimensions are in  $\frac{\text{inches}}{\text{mm}}$

## Suggested Land Pattern



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