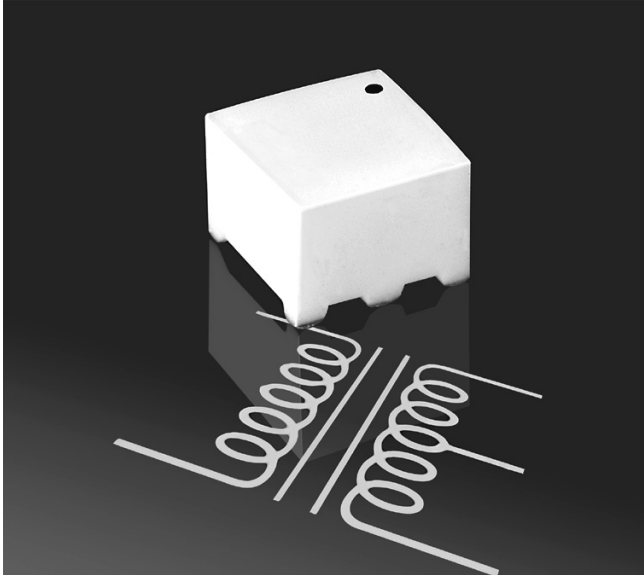


SM Wideband RF Transformers



- Applications: impedance matching, balanced/unbalanced mixing, power splitting, coupling and signal inversion, etc.
- 250 mA max current rating.

Core material Ferrite

Terminations Tin-silver-copper over silver-platinum-glass frit

Weight 168 mg

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)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)

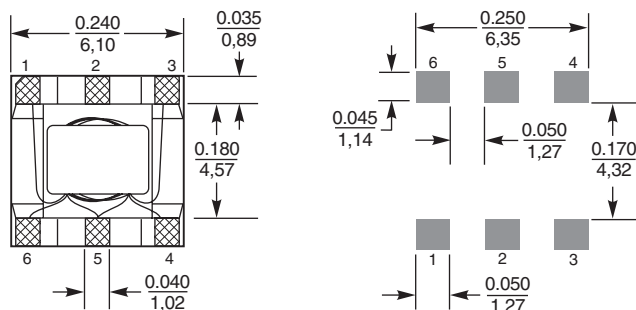
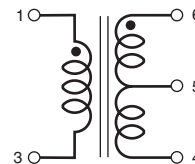
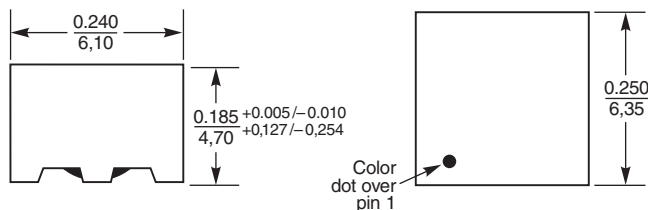
60 per billion hours / 16,666,667 hours, calculated per Telcordia SR-332

Packaging 1000/13" reel; Plastic tape: 16 mm wide, 0.34 mm thick, 12 mm pocket spacing, 4.83 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCBt_Washing.pdf](#).

Part number	Impedance ratio pri:sec	Frequency range (MHz)	Insertion loss max (dB)	Pins 1-3		Pins 6-4	
				L min (μH)	DCR max (mOhms)	L min (μH)	DCR max (mOhms)
Z9169-A	1 : 1 CT	3 – 1000	1.20	1.8	35.0	1.8	40.0
A9899-A	1 : 1 CT	0.26 – 930	0.60	18.0	230.0	18.0	310.0
A9900-A	1 : 1 CT	0.525 – 1000	1.20	7.0	200.0	7.0	200.0

1. Electrical specifications at 25°C. Measurements are referenced to 50 Ohms.



Recommended Land Pattern

Unless otherwise noted, tolerance for all dimensions $\pm 0.005/0.127$.

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



www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com

UK +44-1236-730595 sales@coilcraft-europe.com

Taiwan +886-2-2264 3646 sales@coilcraft.com.tw

China +86-21-6218 8074 sales@coilcraft.com.cn

Singapore + 65-6484 8412 sales@coilcraft.com.sg

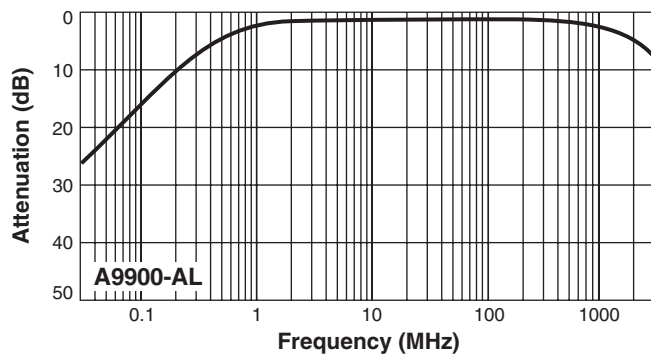
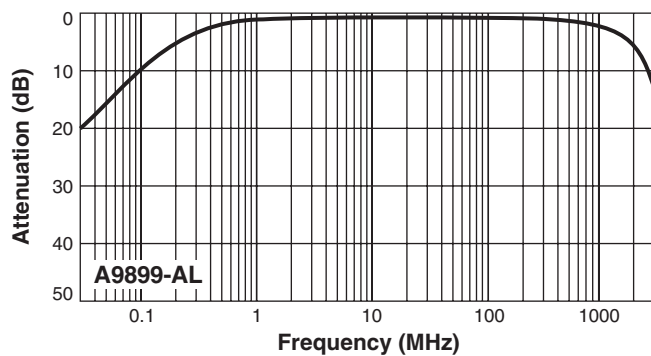
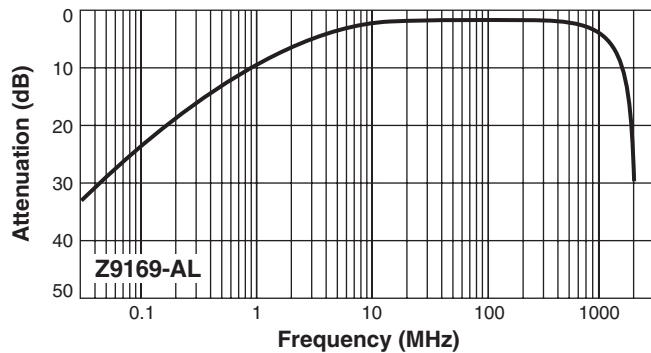
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.

SM Wideband RF Transformers

Response Curves



Measured on a network analyzer (re: 50 Ohms)