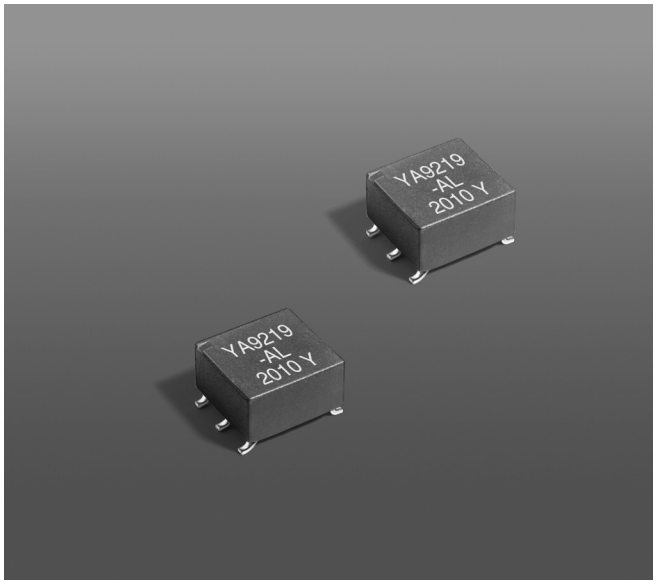
Surface Mount Wideband RF Transformer



- Cost effective surface mount wideband transformer
- 300 V one minute isolation (hipot) from primary to secondary
- AEC-Q200 qualified

Core material Ferrite

Terminations RoHS compliant tin-silver-copper over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 250 – 270 mg

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)

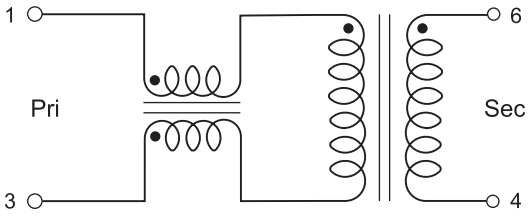
Packaging 1000/13″ reel Plastic tape: 16 mm wide, 0.35 mm thick, 12 mm pocket spacing, 5.0 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCBt_Washing.pdf.

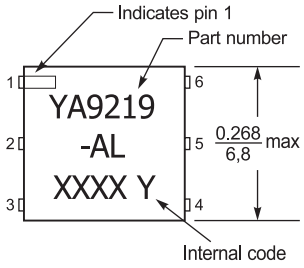
Part number	Primary (pins 1-3) L min[1] (µH)	Primary (pins 1-3) DCR max (mOhms)	Secondary (pins 6-4) L min[1] (µH)	Secondary (pins 6-4) DCR max (mOhms)	Turns Ratio pri: sec	Isolation[2] (Vrms)
YA9219-ALD	127	350	65	150	1 : 0.714	300

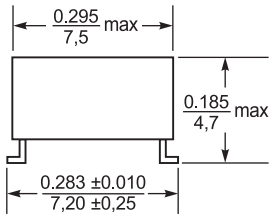
1. Inductance tested at 10 kHz, 0.1 Vrms, 0 Adc.
2. 300 Vrms, one minute isolation (hipot) from primary to secondary.
3. Electrical specifications at 25°C.

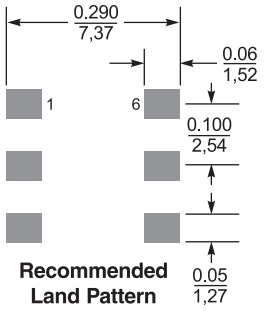
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Connect pin 6 and pin 4 on PC board.







Dimensions are in inches / mm

Recommended Land Pattern

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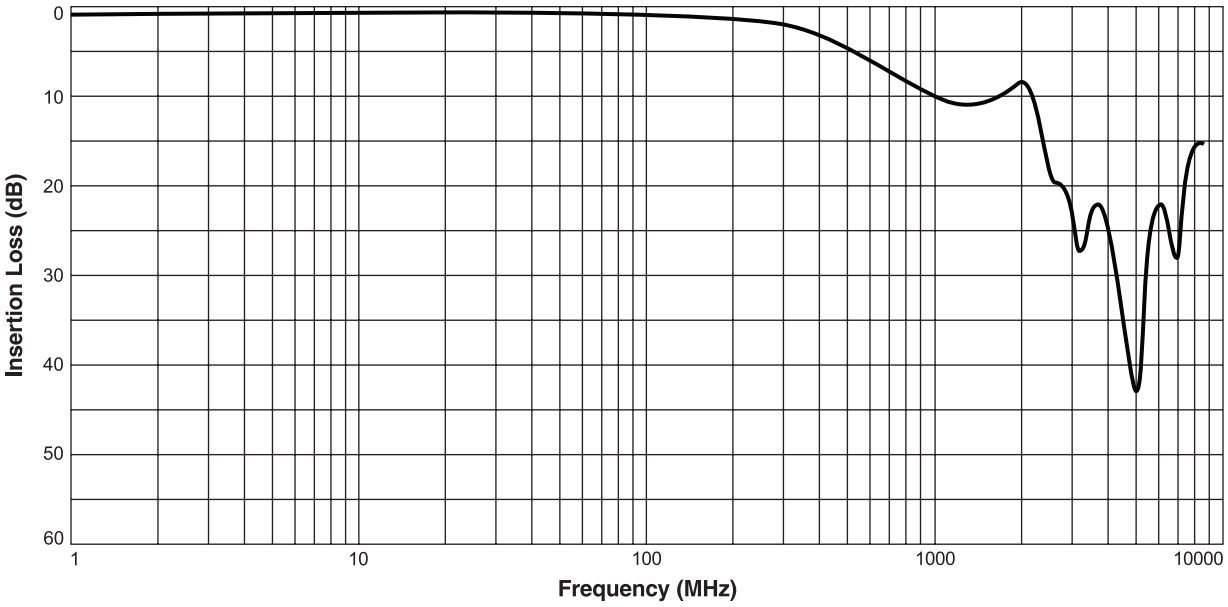
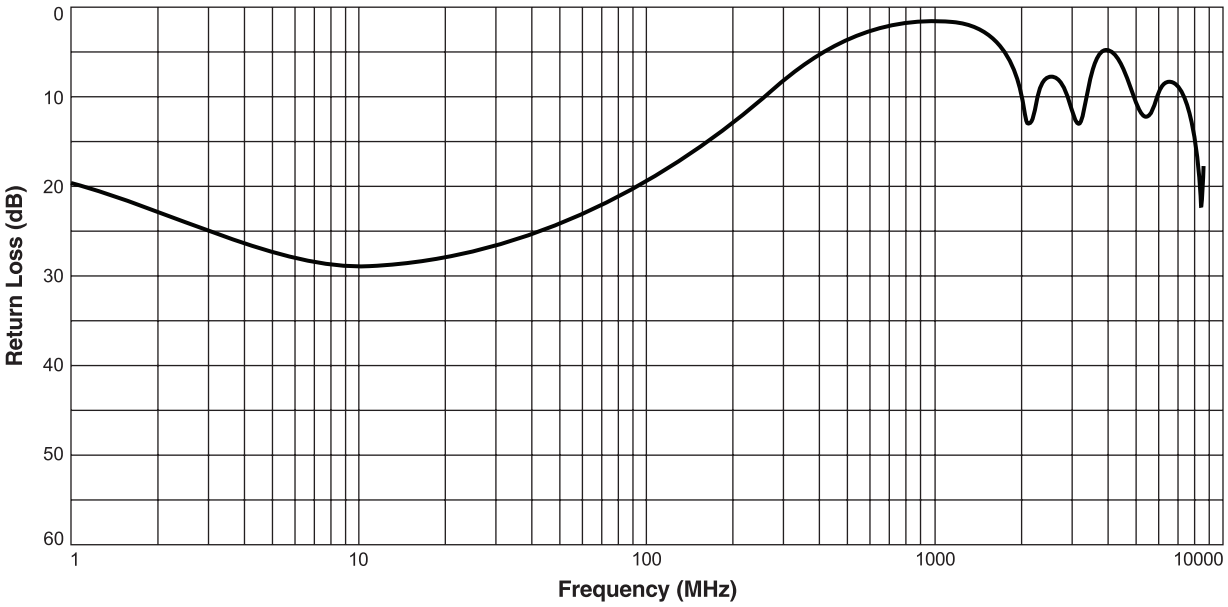
Insertion Loss (Sdd21)



Return Loss (Sdd11)



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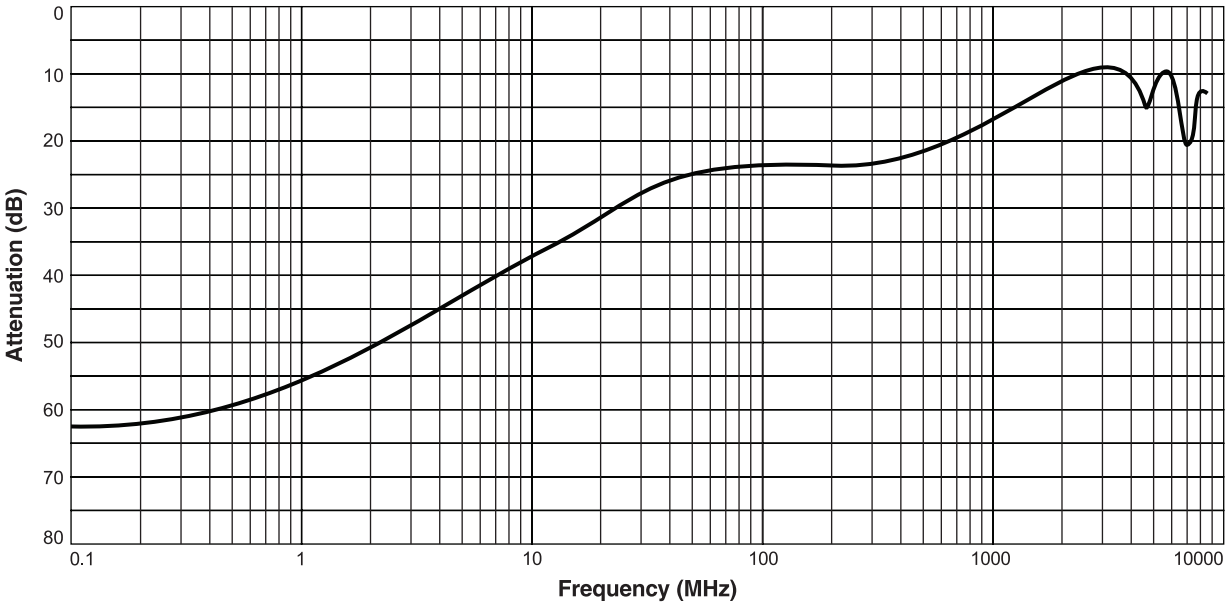
Surface Mount Wideband RF Transformer

Attenuation vs Frequency (Scc21)



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