

RF Balun Transformer

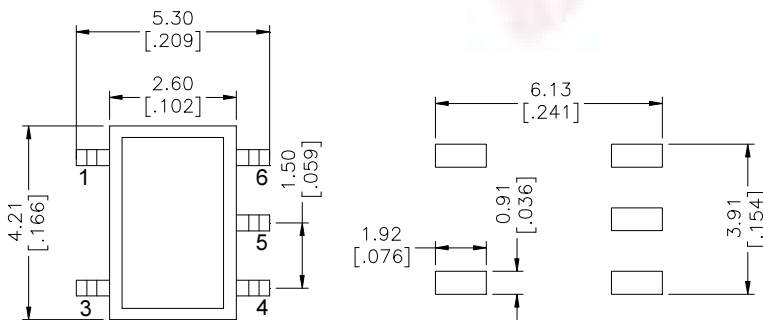
- 75Ω Characteristic Impedance
- 1 : 1 Flux Coupled Transformer
- Frequency : 5 to 200MHz
- RF power : 500mW
- DC current : 500mA tested at 5.0V
- Operating temperature range : -40°C to +100°C
- Storage temperature range : -55°C to +100°C

Electrical Specifications @25°C, Z₀=75Ω, Pin=0dBm

Parameter	Test Conditions	Units	Typ	Max
Insertion Loss(Pin1-Pin6)	5-60MHz	dB	0.36	0.50
	60-150MHz		0.50	0.70
	150-200MHz		0.67	1.00
Amplitude Balance	5-60MHz	dB	0.01	±0.10
	60-200MHz		0.09	±0.50
Phase Balance	5-60MHz	Degrees	0.10	±1.00
	60-200MHz		0.50	±3.00
Input Return Loss(Pin 1)	5-60MHz	dB	29.00	-
	60-200MHz		19.00	-
Impedance Ratio	-	Ratio	1 : 1	-

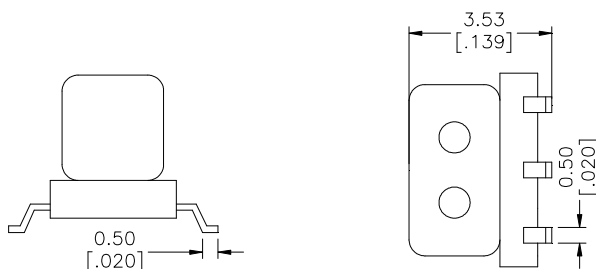
Dimensions

(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are $\pm \frac{0.25}{.010}$)

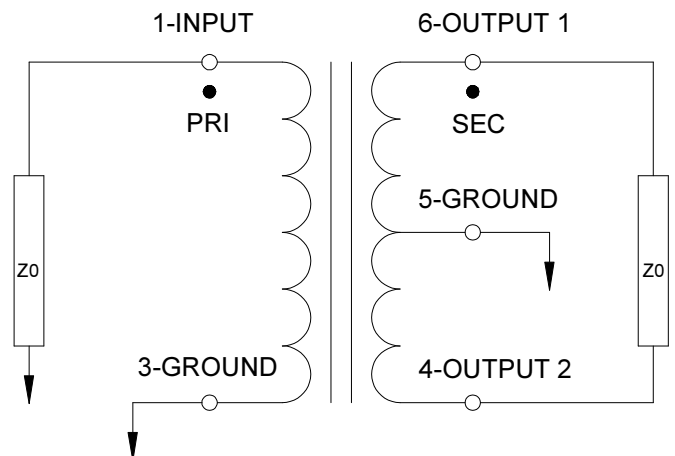


TOP VIEW

SUGGESTED PAD LAYOUT



Schematic



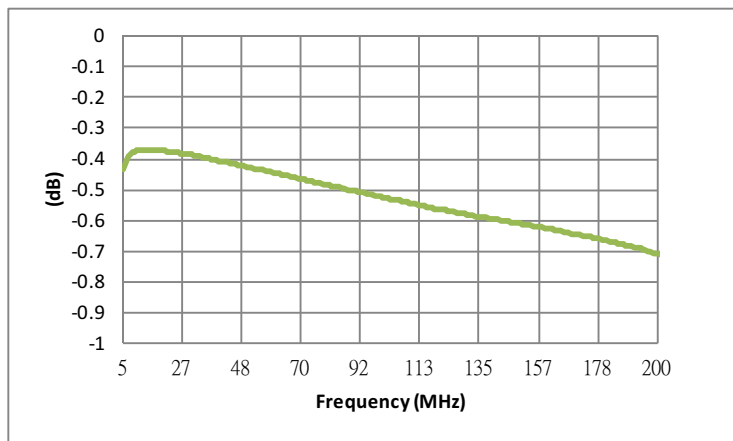
Pin configuration

Pin no.	Function
1	Primary Dot
3	Primary
4	Secondary
5	Secondary Centre Tap
6	Secondary Dot

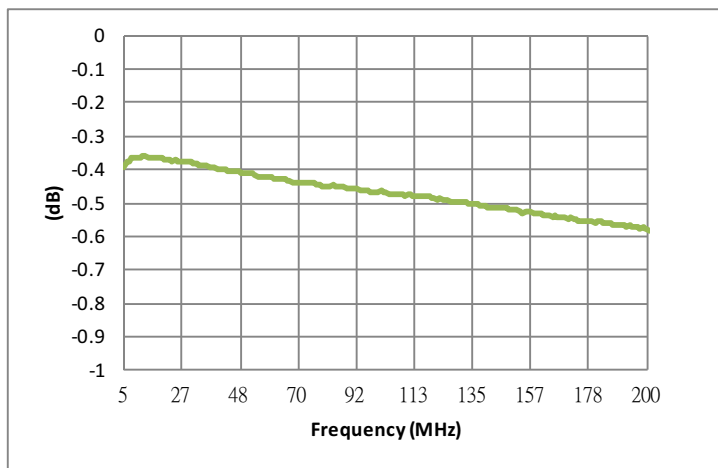
Package info

LRT1512-50R—Tape Reel

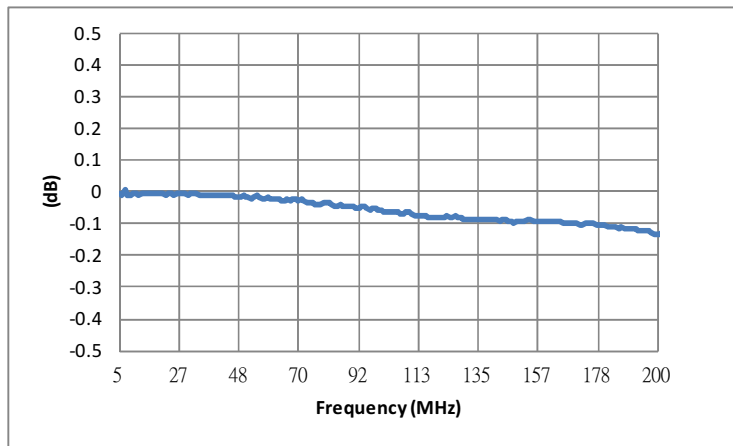
Insertion Loss 1(Pin1 to 6)



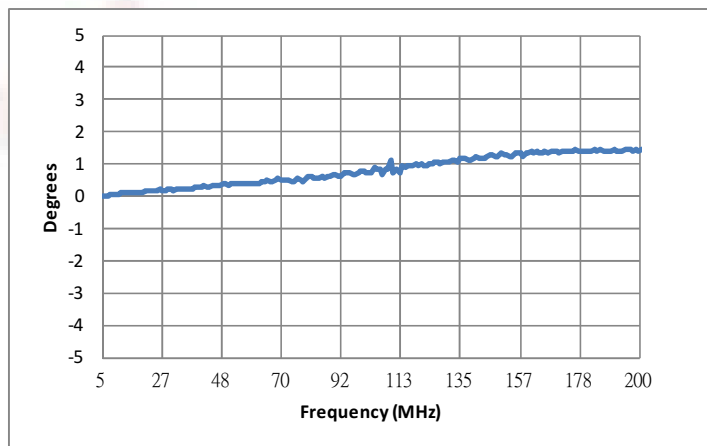
Insertion Loss 2(Pin1 to 4)



Amplitude Balance



Phase Balance



Return Loss : Input (Pin1)

