

RF Balun Transformer

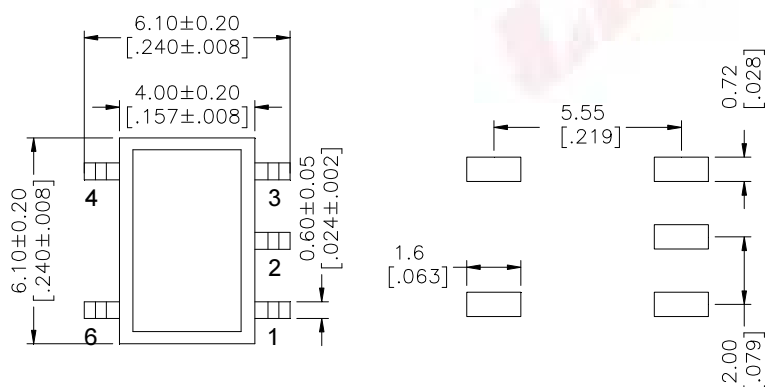
- 75Ω Characteristic Impedance
- 2 : 1 Flux Coupled Transformer
- Frequency : 5 to 100MHz
- RF power : 250mW
- DC current : 450mA
- Operating temperature range : -40°C to +85°C
- Storage temperature range : -55°C to +100°C

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

Parameter	Test Conditions	Units	Typ	Max
Main line Loss(out 1)	5-100MHz	dB	0.50	2.00
Main line Loss(out 2)	5-100MHz	dB	0.50	2.00
Amplitude Balance	5-100MHz	dB	0.02	0.10
Phase Balance	5-100MHz	Degrees	3.00	±6.0
Input Return Loss	5-100MHz	dB	10.00	-
Impedance Ratio	-	Ratio	2 : 1	-

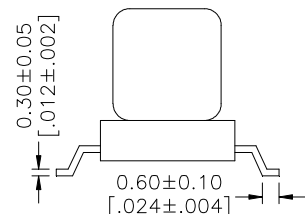
Dimensions

(Units: $\frac{\text{mm}}{\text{Inches}}$, Unless otherwise specified, all tolerances are ± 0.010)

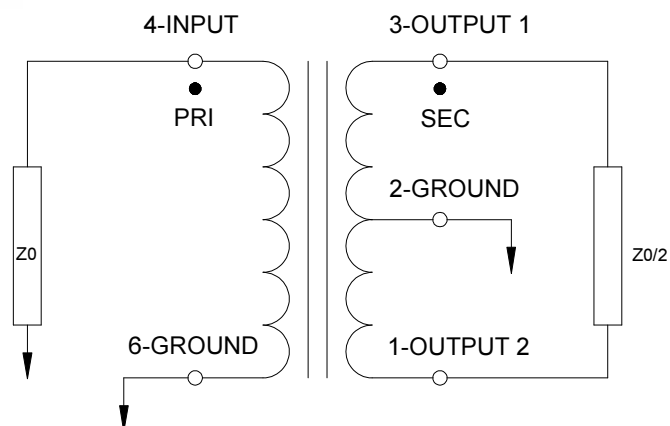


TOP VIEW

SUGGESTED PAD LAYOUT



Schematic



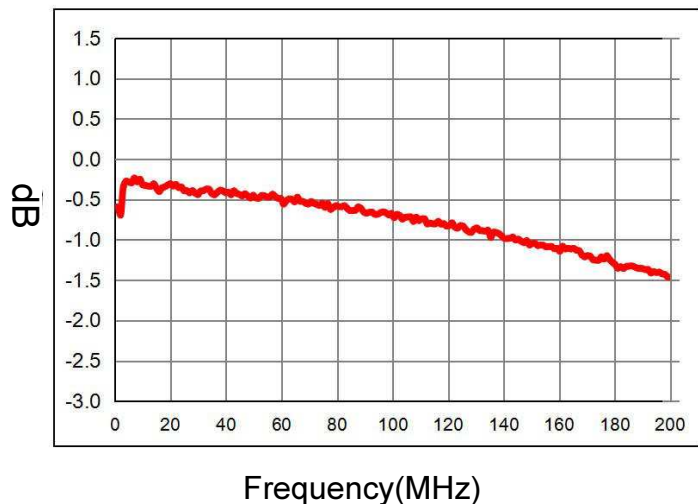
Pin configuration

Pin no.	Function
1	Secondary(Output 2)
2	Centre tap(Ground)
3	Secondary dot(Output 1)
4	Primary dot(Input)
6	Primary(Ground)

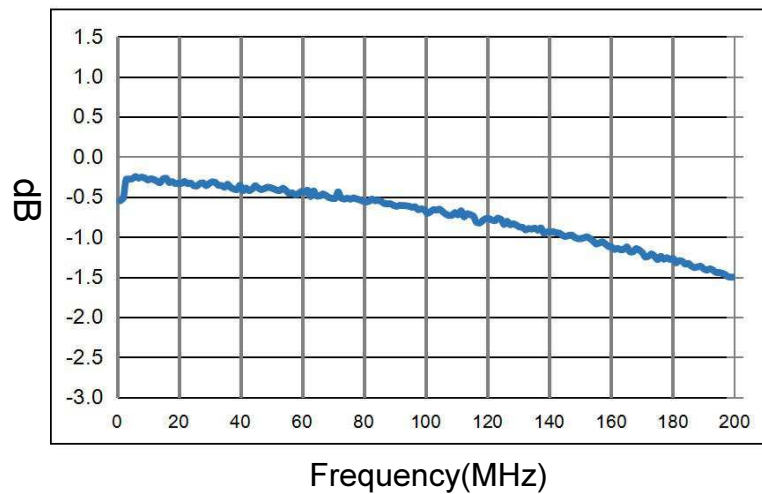
Package info

LRT2002-50R—Tape Reel

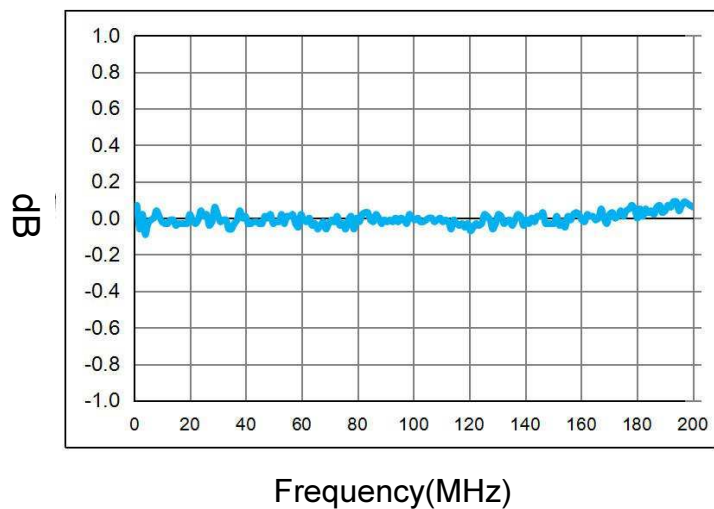
Main line Loss(out1)



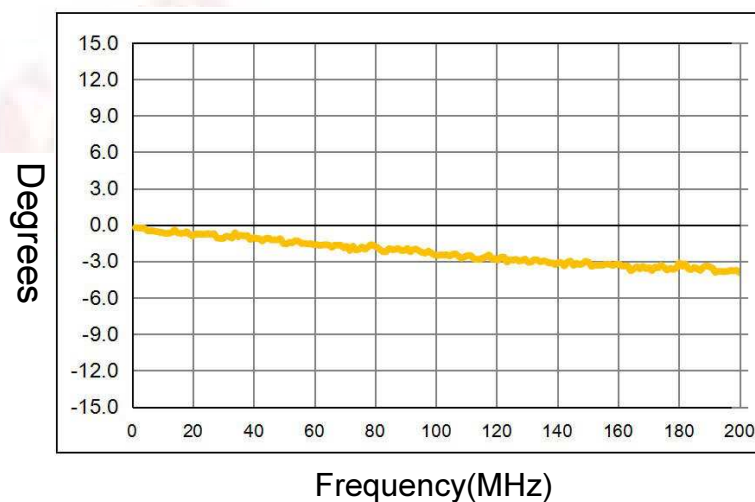
Main line Loss(out2)



Amplitude Balance



Phase Balance



Input Return Loss

