

LH Corporation

SL016067 0.25-750MHZ 1:1 RF flux transformer

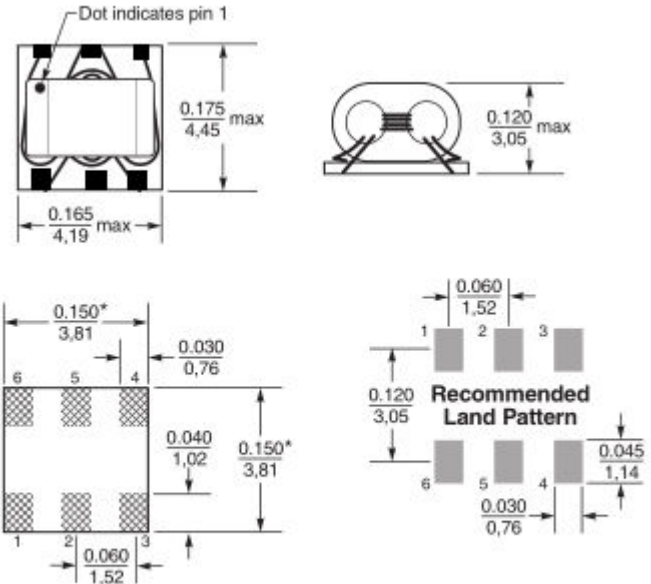
1:1 RF transformer Frequency: 0.25-750MHZ.

Base dimension

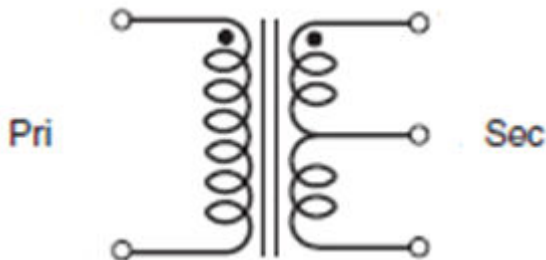
Feature:

- .1 : 1 impedance transformer.
- .SMT part.
- .Packaging 2000pcs per ree.
- .used in 50ohm systems.

ROHS COMPLIANT



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



SCHEMATIC

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Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

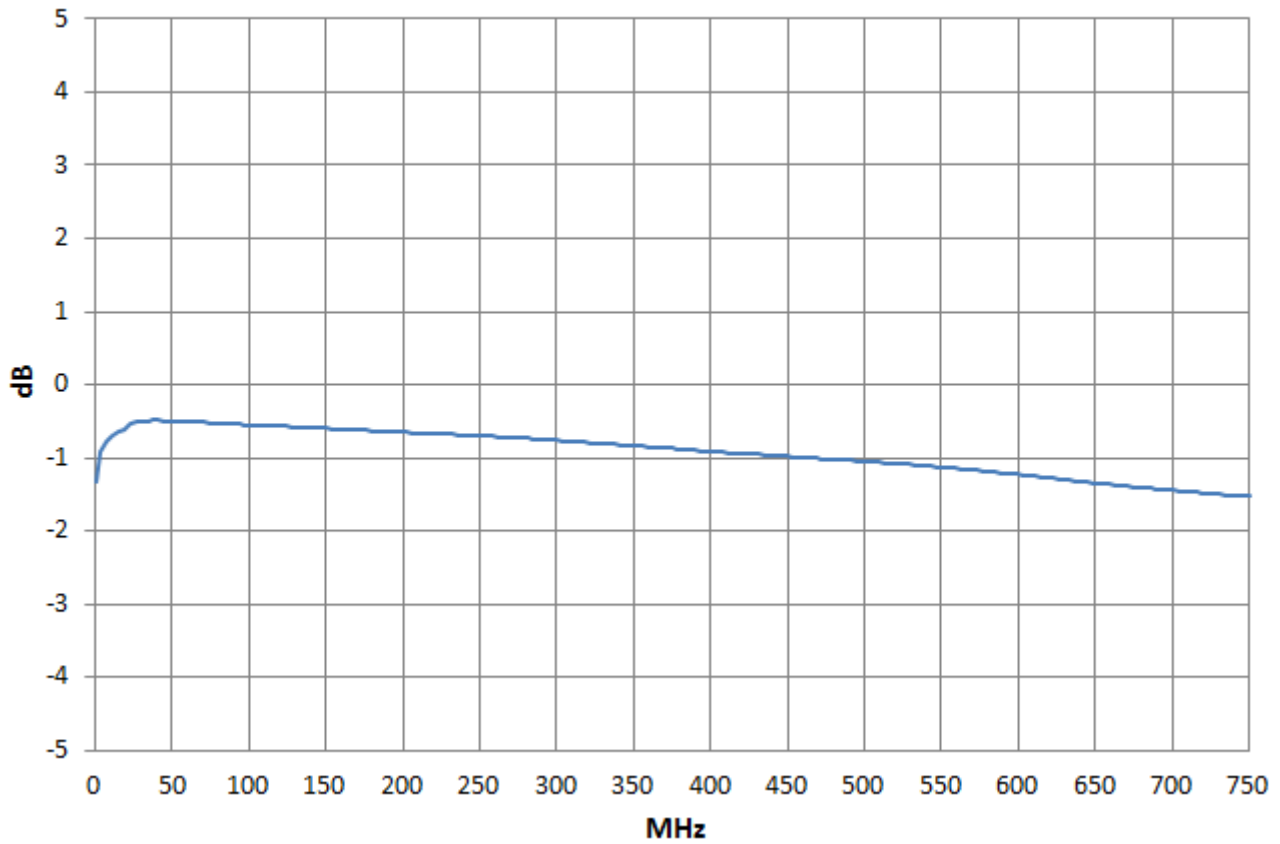
PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2

Electrical Specifications: TA=25°C, Zo=50Ω Pin=0dbm					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss	0.25 - 10MHz	dB	----	---	3.0
	10 - 100MHz	dB	----	---	1.0
	100 - 400MHz	dB	----	---	2.0
	400 - 750MHz	dB	----	---	3.0
Amplitude Balance	2 - 500MHz	dB	----	±0.1	±0.5
Phase Balance	0.25 - 750MHz	Degree	----	±2	±5
Input return loss	0.25 - 750MHz	dB	5	10	---
RF Power Rating (max)		250mW			
DC Current Rating (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		50OHM			

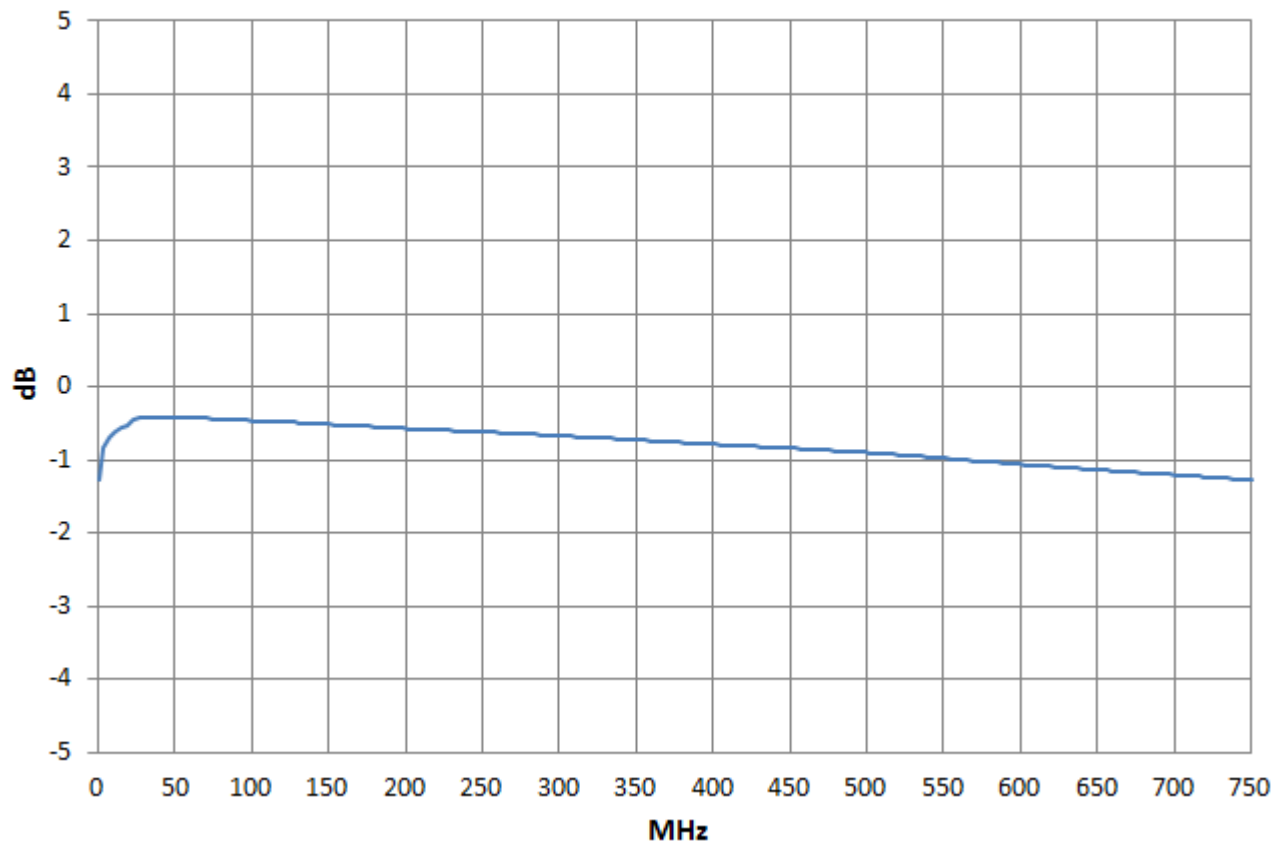
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Insertion Loss 6-1



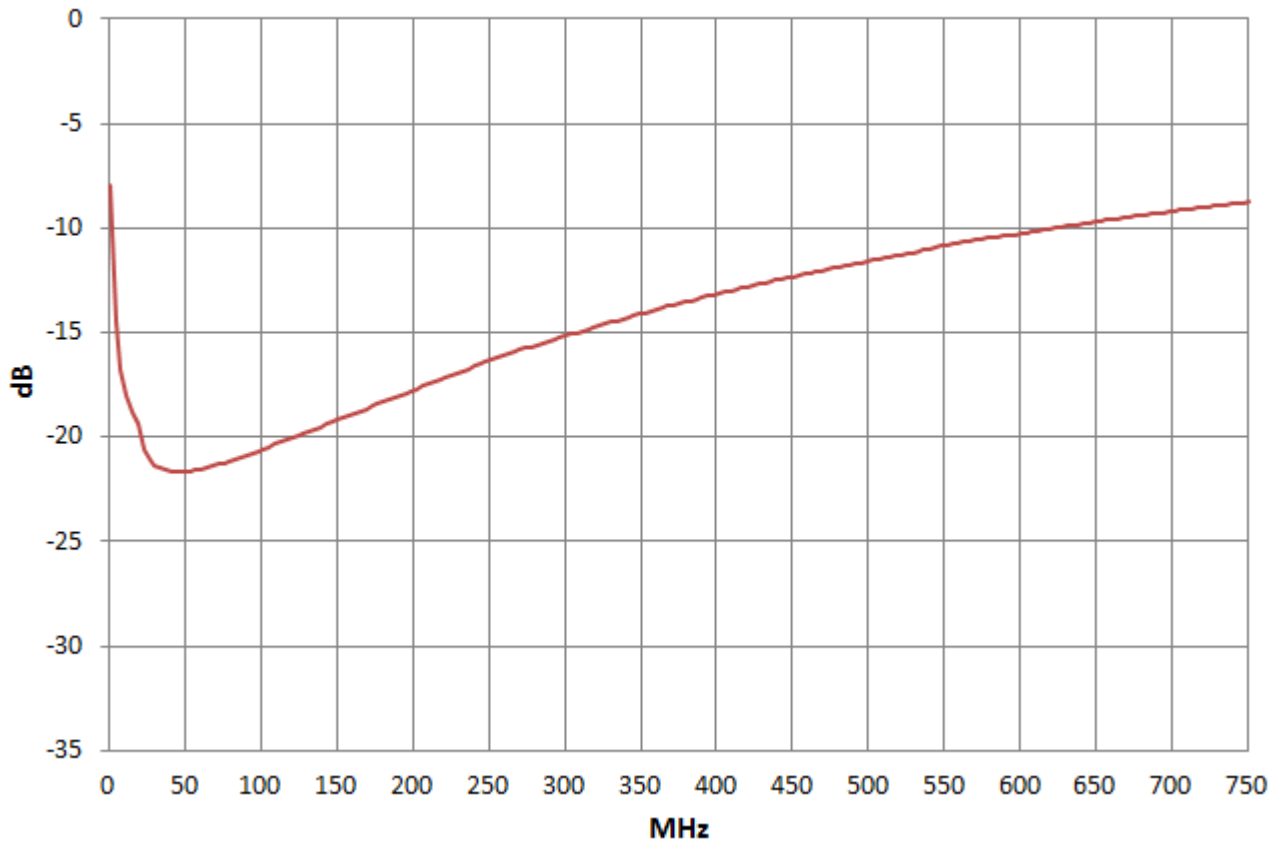
Insertion Loss 6-3



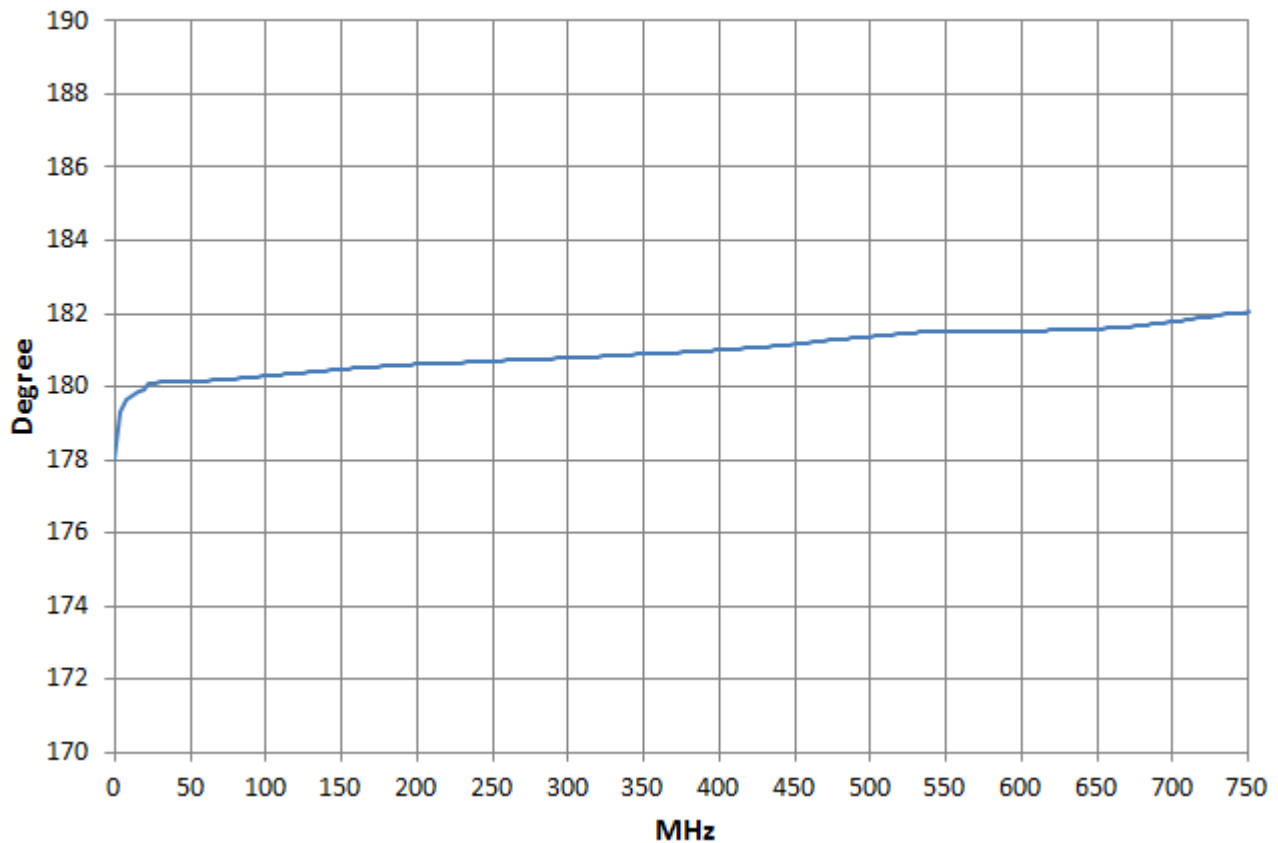
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Input Return Loss



Phase



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Amplitude

