

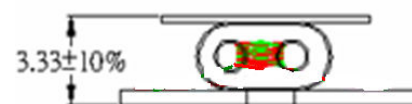
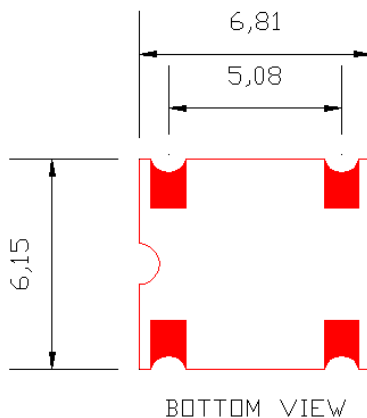
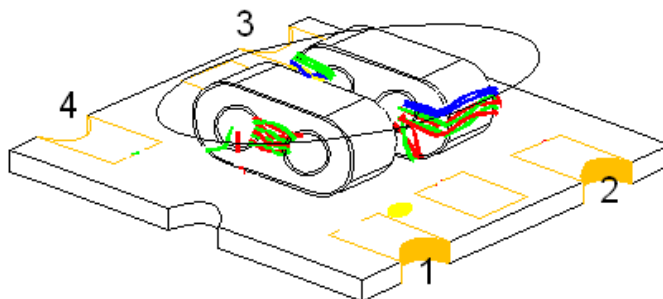
1:2 Transmission line transformer Frequency: 5-1200MHZ.

Feature:

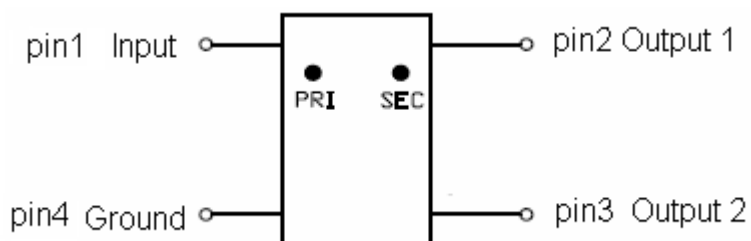
- .1:2 impedance transformer.
- .SMT part.
- .Packaging 1300pcs per ree.
- .used in 75 and 50ohm systems.
- .weld connect.
- .260 degree compatible.

ROHS COMPLIANT

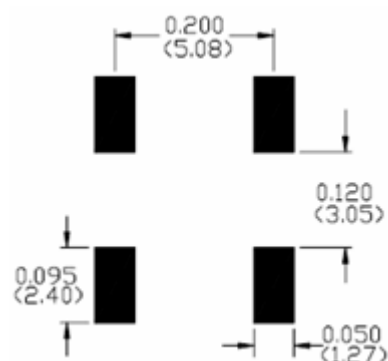
Base dimension



Recommended pcb configuration



SCHEMATIC



Description:

.LH S018005-1-2TL is a 1:2 RF transmission line transformer.

Low cost SMT transmission transformer designed high volume applications.

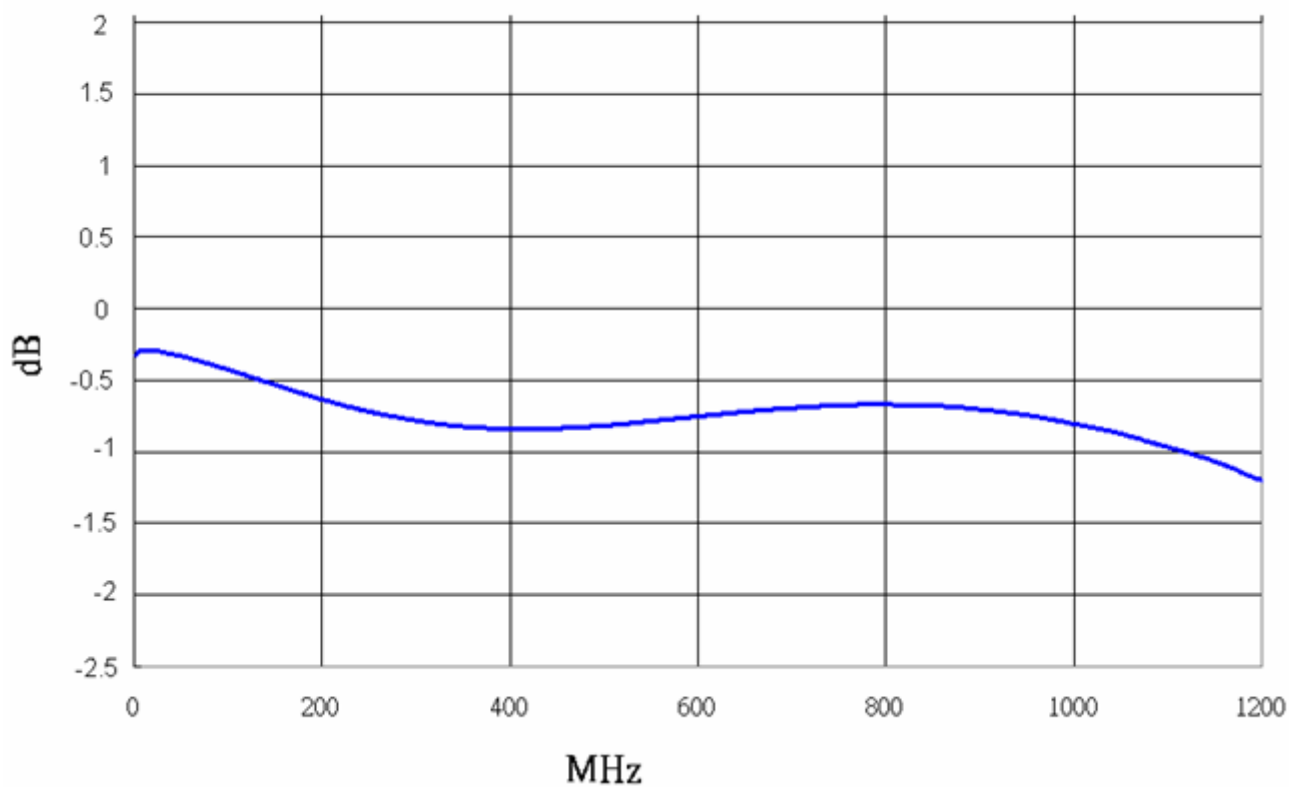
PIN CONFIGURATION

PIN	FUNCTION
1	Primary DOT (Input)
2	Secondary DOT (Output1)
3	Secondary (Output2)
4	Primary(Ground)

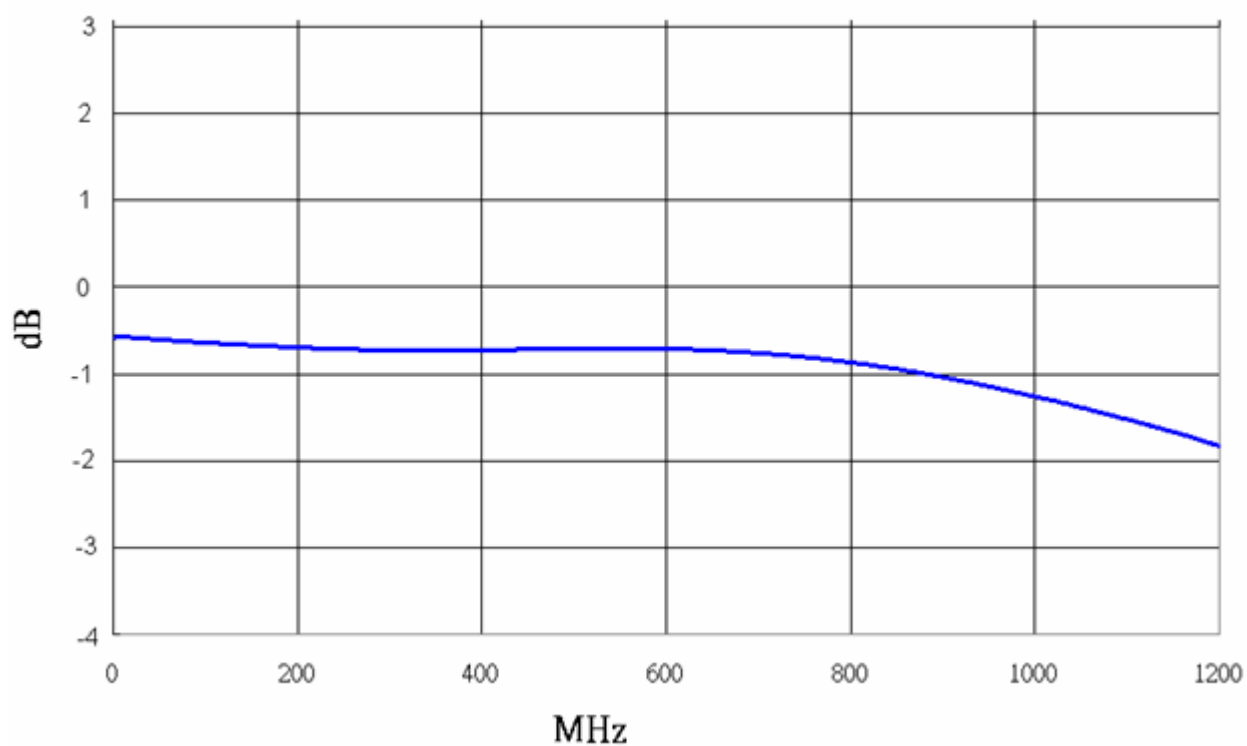
Electrical Specifications: TA=25°C, Zo=75Ω Pin=0dbm					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss1 Pin1- 2	5-50MHz	dB	----	0.35	0.5
	50-1000MHz	dB	----	0.60	1.10
	1000-1200MHz	dB	----	0.60	1.40
Insertion Loss2 Pin1- 3	5-50MHz	dB	----	0.50	0.70
	50-1000MHz	dB	----	0.90	1.50
	1000-1200MHz	dB	----	1.80	2.20
Amplitude Unbalance	5-50MHz	dB	----	±0.10	±0.40
	50-1000MHz	dB	----	±0.30	±1.50
	1000-1200MHz	dB	----	±0.60	±1.80
Phase Unbalance	5-50MHz	Degree	----	±1.30	±1.50
	50-1200MHz	Degree	----	±6.00	±7.00
Input return loss	5-500MHz	dB	22	25	---
	500-1000MHz	dB	16	22	---
	1000-1200MHz	dB	14	17	---
RF Power Rating (max)		250mW (+24dBm)			
DC Current Rating (max)		600mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

PERFORMANCE.

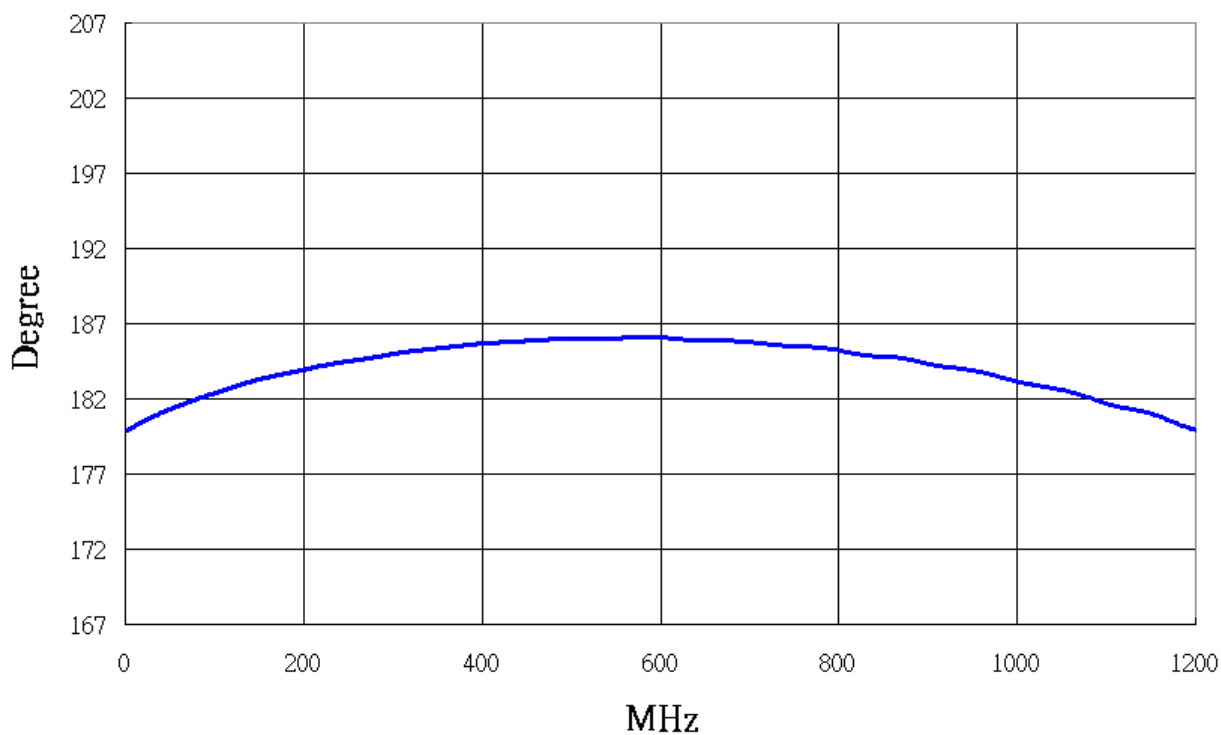
Insertion Loss 1-2



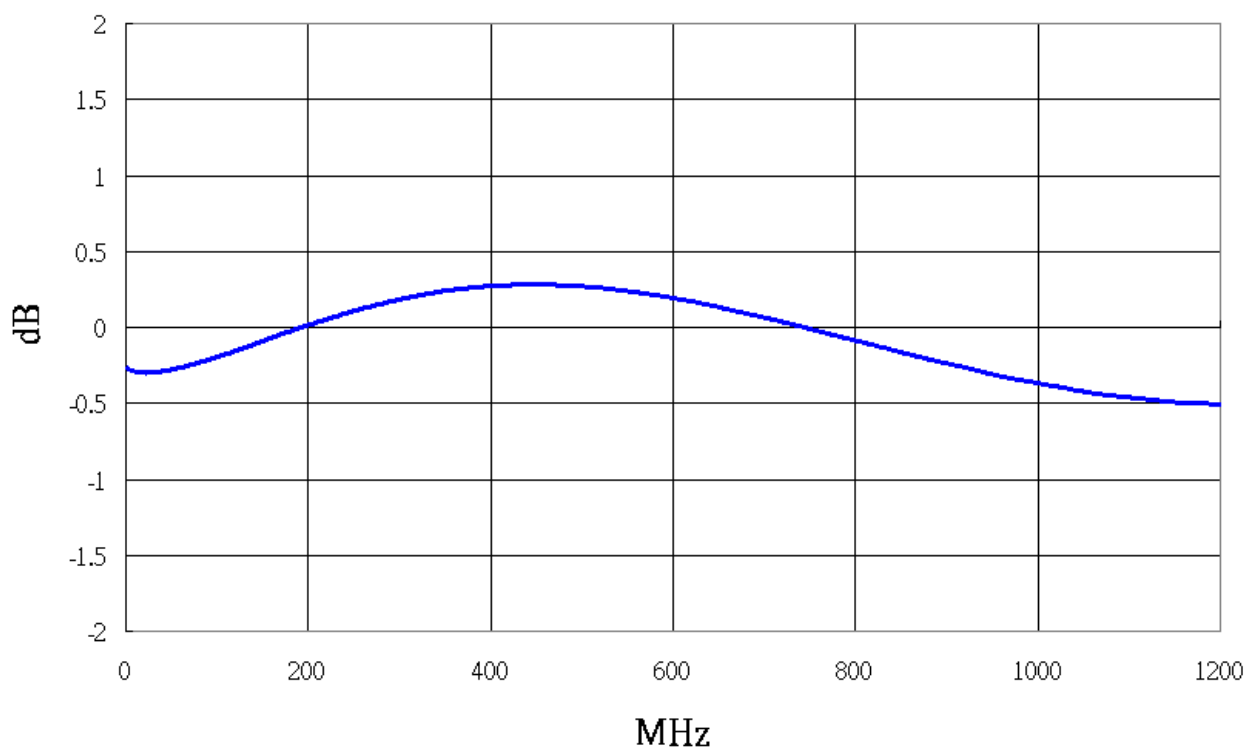
Insertion Loss 1-3



Phase



Amplitude



Input Return Loss

