

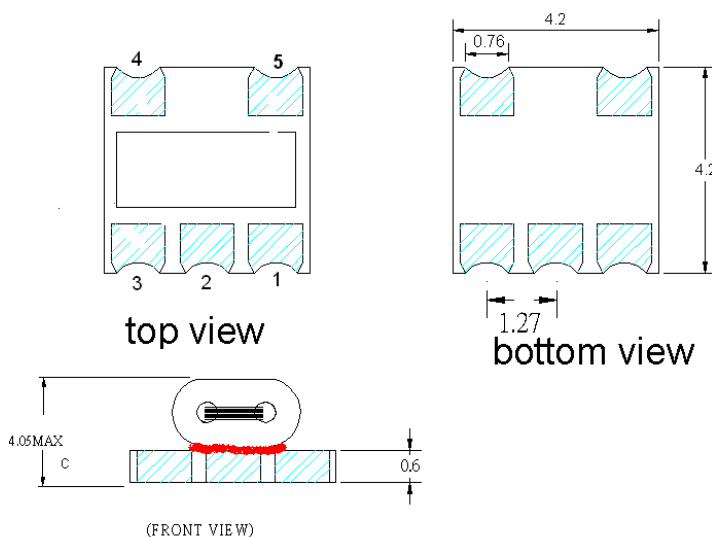
1.33 : 1 Transmission line balun transformer Frequency: 5-1000MHZ.

Base dimension

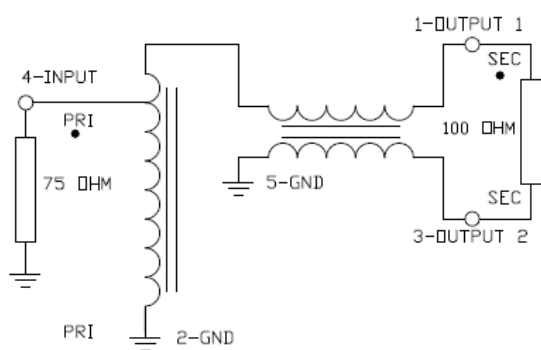
Feature:

- .1.33 : 1 impedance transformer.
- .SMT part.
- .Packaging 2000pcs per ree.
- .used in 75 and 50ohm systems.

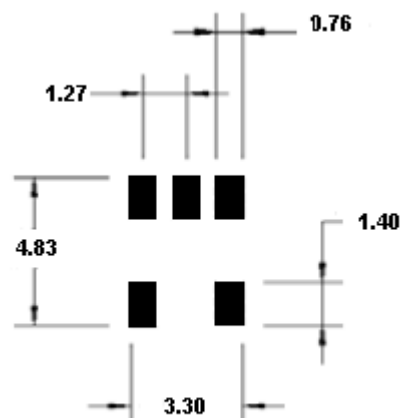
ROHS COMPLIANT



Recommended pcb configuration



SCHEMATIC



Description:

.LH S013186 is a 1.33 : 1 transmission line balun RF transformer.

Low cost SMT transmission transformer designed high volume applications.

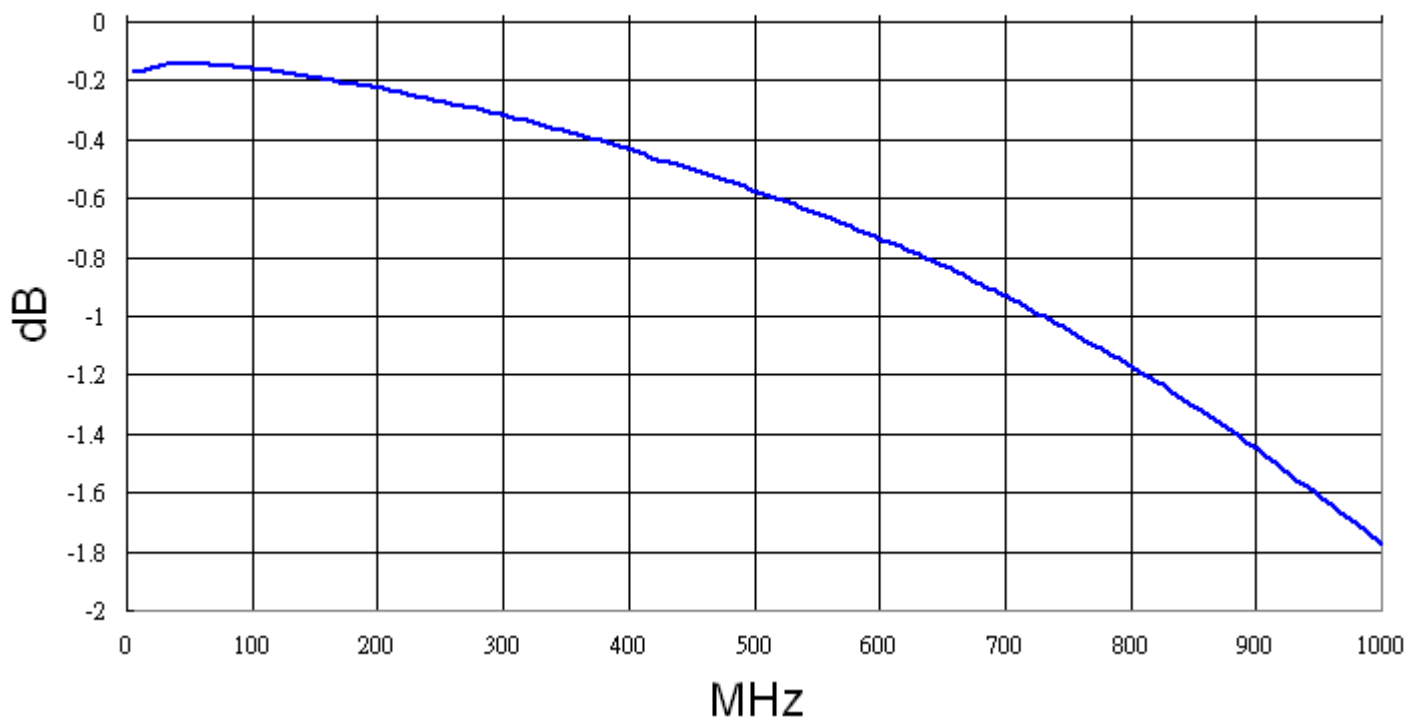
PIN CONFIGURATION

PIN	FUNCTION
1	Secondary DOT (output1)
2	Primary (ground)
3	Secondary (output2)
4	Primary DOT (input)
5	Ground

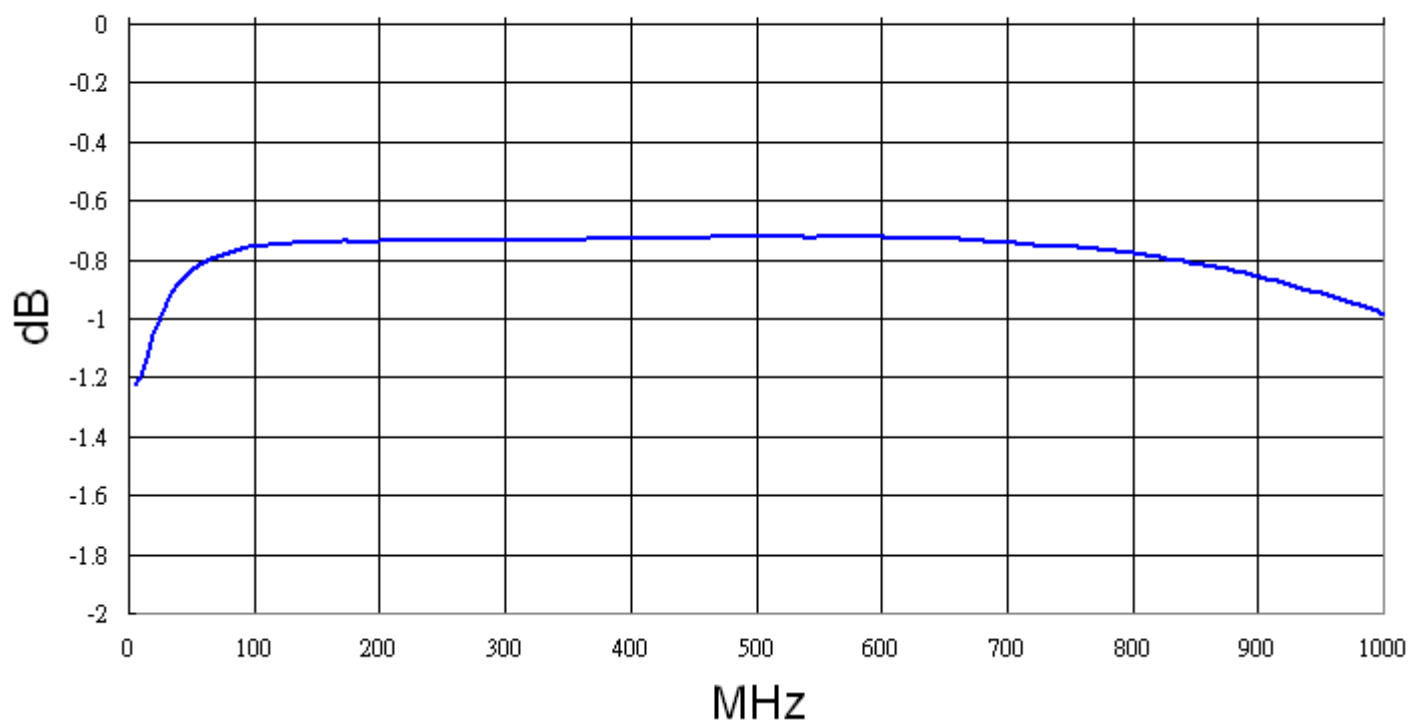
Electrical Specifications: TA=25°C, Zo=75Ω Pin=0dbm					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss1(Pin4-1)	5 - 50MHz	dB	----	0.3	0.4
	50 -870MHz	dB	----	0.6	1.8
	870 -1000MHz	dB	----	1.75	2.4
Insertion Loss2(Pin4-3)	5 - 50MHz	dB	----	0.94	1.4
	50 -870MHz	dB	----	0.7	1.2
	870 -1000MHz	dB	----	1.0	1.5
Amplitude Balance	5 - 50MHz	dB	----	±0.7	±1.3
	50 -870MHz	dB	----	±0.13	±1.0
	870 -1000MHz	dB	----	±0.74	±1.4
Phase Balance	5 - 50MHz	Degree	----	±4	±16
	50 -1000MHz	Degree	----	±05	±9
Input return loss	5 -50MHZ	dB	13	23	---
	50 - 300MHZ	dB	17	30	---
	300 -500MH	dB	9	17	---
	300 -500MH	dB	8	13	---
RF Power Rating (max)		250mW			
DC Current Rating (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			

Actual test parameter.

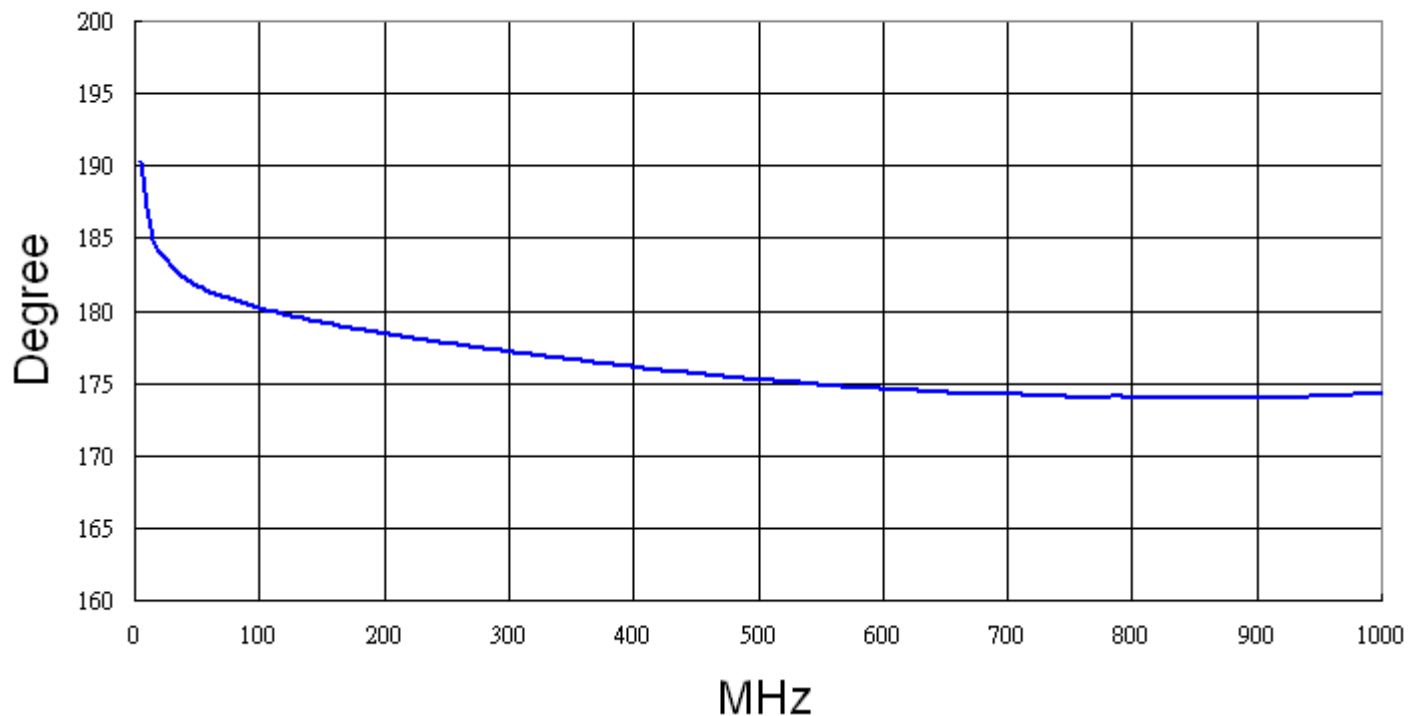
Insertion Loss 4-1



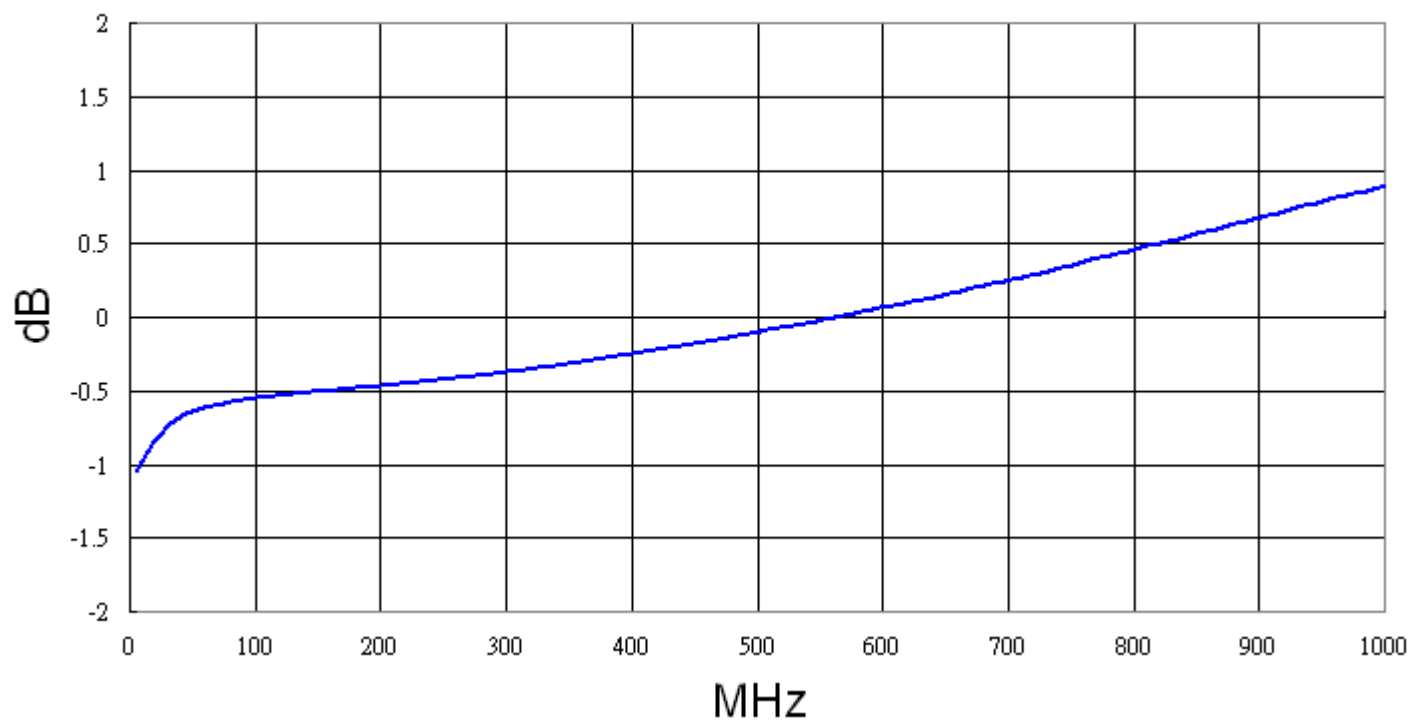
Insertion Loss 4-3



Phase



Amplitude



Input Return Loss

