

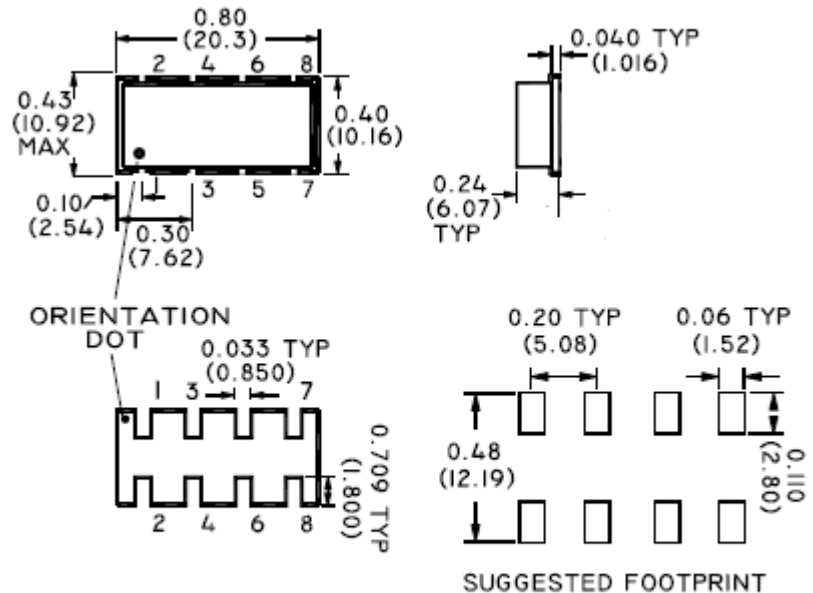
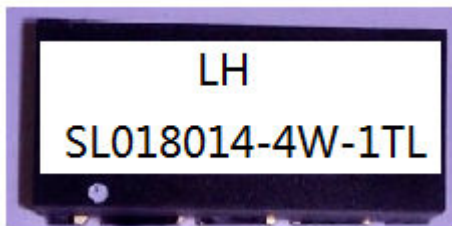
4Way 0° Divide Frequency: 5-1000MHZ.

dimension

Feature:

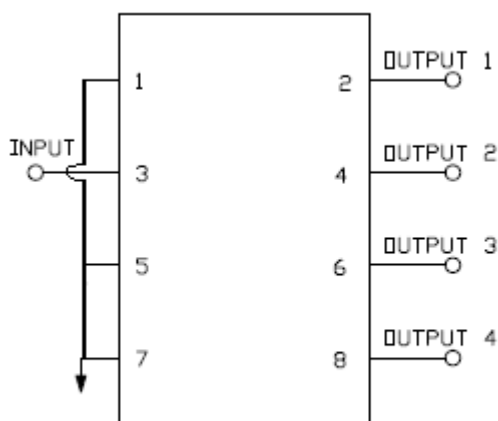
- .4way 0degree Divide.
- .SMT part.
- .Packaging 400pcs per reel.
- .used in 75 ohm systems.
- .260 degree compatible.

ROHS COMPLIANT



Dimensions in inches [mm].

Tolerance where not specified: .xx ± .02, .xxx ± .010



Schematic

Description:

. LH Corporation SL018014-4W-1TL is a 4way 0° power divide.

Low cost SMT transmission transformer designed high volume applications.

PIN CONFIGURATION	
PIN	FUNCTION
2	Output1
1,5,7	GND
4	Output2
6	Output3
8	Output4
3	Input

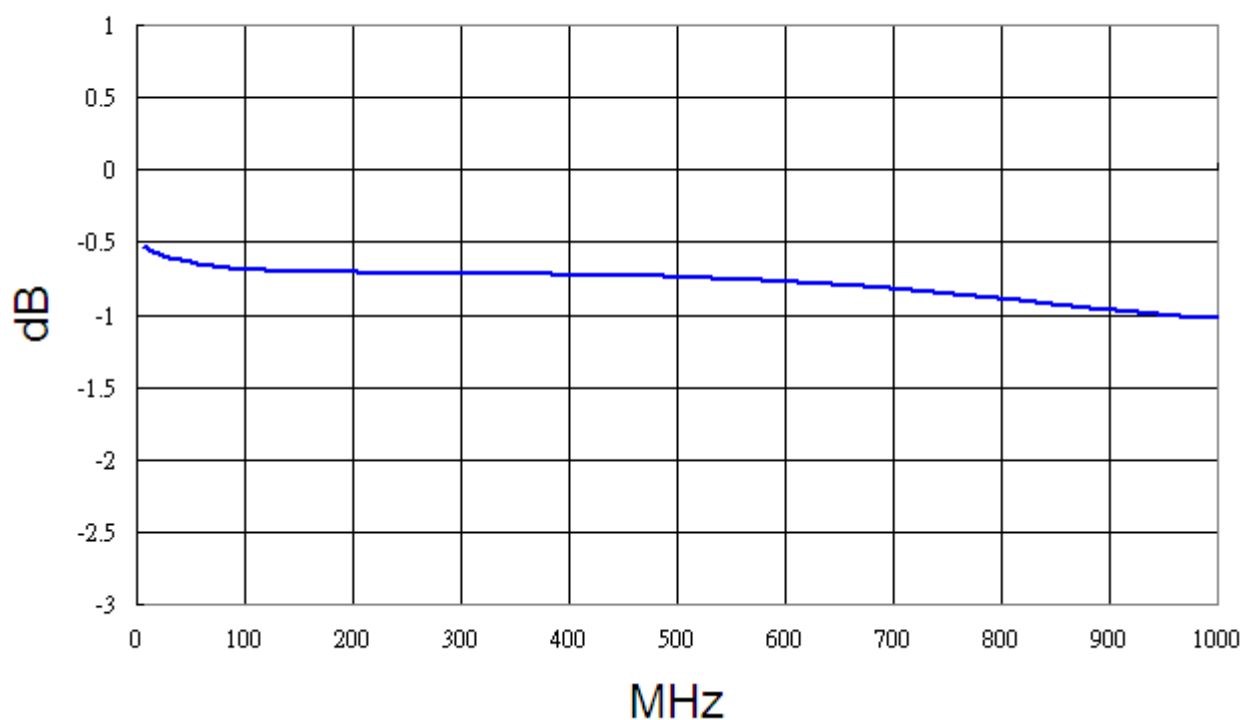
Ordering Information	
Part Number	Package
1	400pcs/reel

Absolute Maximum Ratings	
Parameter	Absolute Maximum
RF Power	1W
DC Current	240mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-50℃ to +100℃

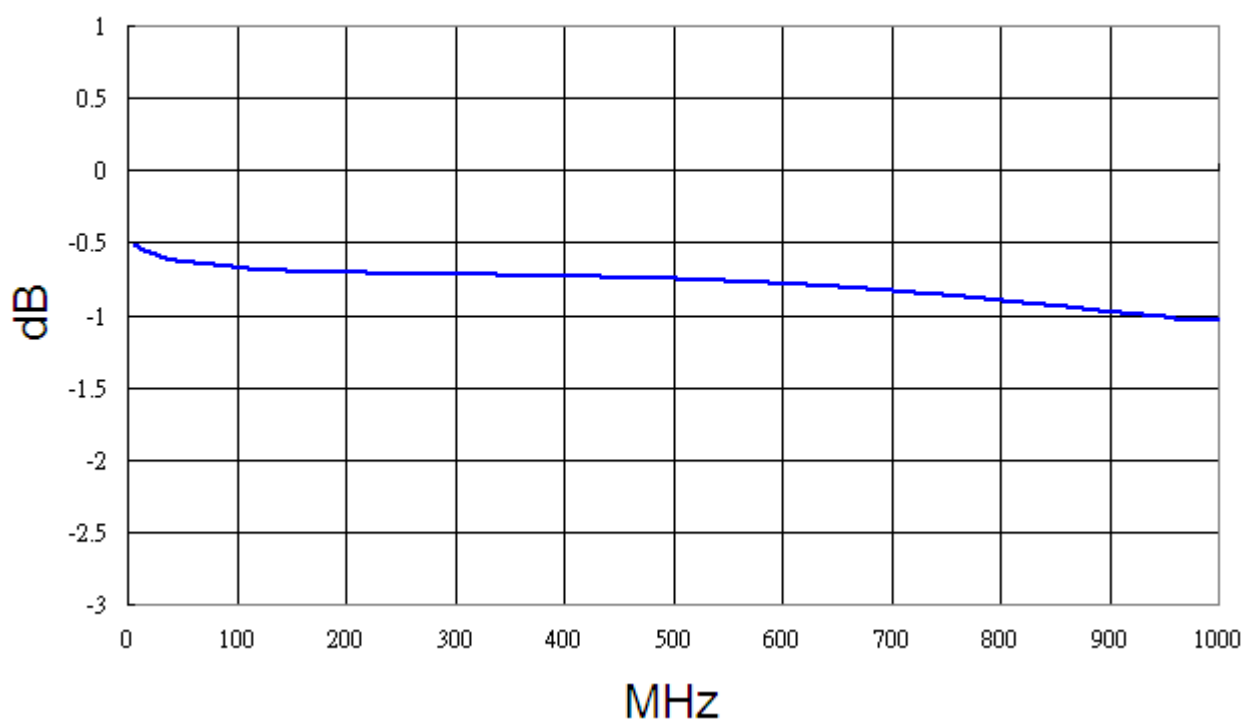
Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss (Pin3-2)	5 - 80MHz	dB	---	0.6	0.7
	80 - 870MHz	dB	---	0.7	1.2
	870 - 1000MHz	dB	---	1.1	1.4
Insertion Loss (Pin3-4)	5 - 80MHz	dB	---	0.6	0.7
	80 - 870MHz	dB	---	0.7	1.2
	870 - 1000MHz	dB	---	1.1	1.4
Insertion Loss (Pin3-6)	5 - 80MHz	dB	---	0.6	0.7
	80 - 870MHz	dB	---	0.7	1.2
	870 - 1000MHz	dB	---	1.1	1.4
Insertion Loss (Pin3-8)	5 - 80MHz	dB	---	0.6	0.7
	80 - 870MHz	dB	---	0.7	1.2
	870 - 1000MHz	dB	---	1.1	1.4
Input return loss	5 - 80MHz	dB	21	25	---
	80 - 870MHz	dB	17	21	---
	870 - 1000MHz	dB	15	17	---
Output return loss (Pin2,Pin4,Pin6,pin8)	5 - 10MHz	dB	13	18	---
	10 - 1000MHz	dB	16	19	---
Amplitude Unbalance	5 - 80MHz	dB	---	±0.0	±0.3
	80 - 1000MHz	dB	---	±0.3	±0.5
Phase Unbalance	5 - 80MHz	Degree	---	±0.1	±1
	80 - 500MHz	Degree	---	±0.5	±3
	500 - 870MHz	Degree	---	±1.0	±6
	870 - 1000MHz	Degree	---	±1.0	±8
Isolation Between All Output	5 - 800MHz	dB	20	40	---
	800 - 1000MHz	dB	18	21	---
RF Power Rating (max)	1W				
DC Current	240mA				
Test Impedance	75OHM				
Operating Temperature	-40°C Min +85°C Max				
Storage Temperature	-50°C to +100°C				

performance.

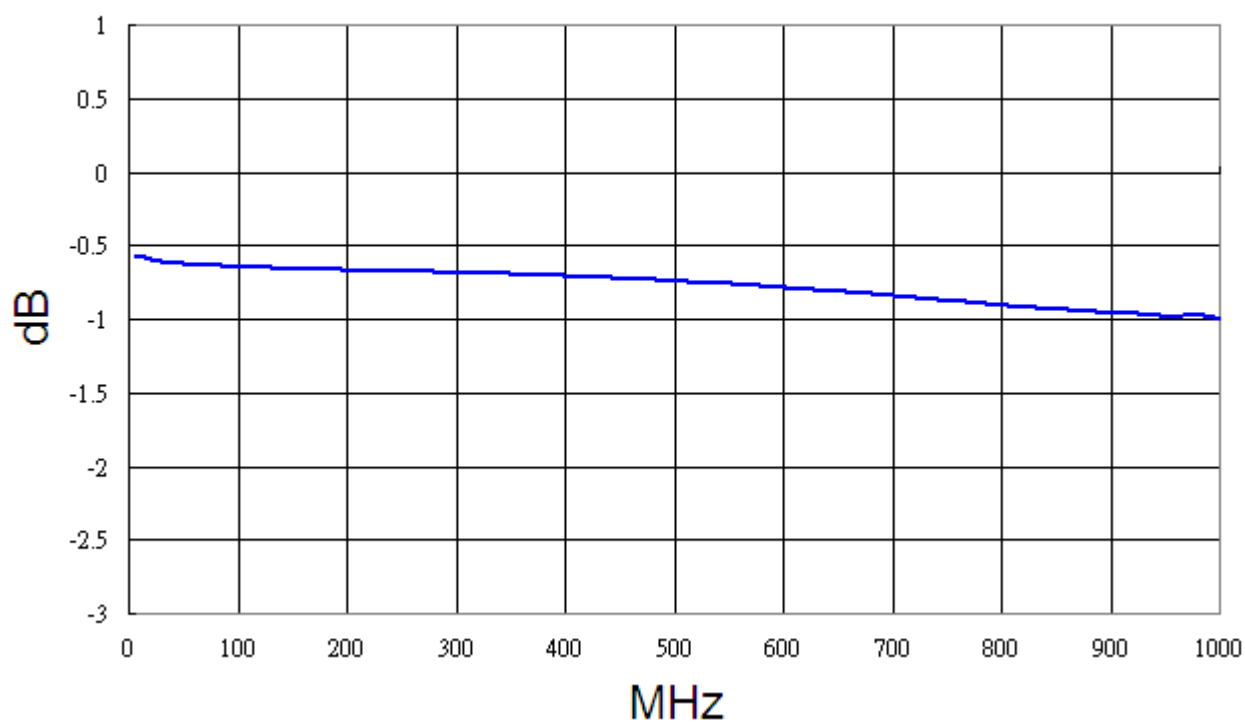
Insertion Loss 3-8



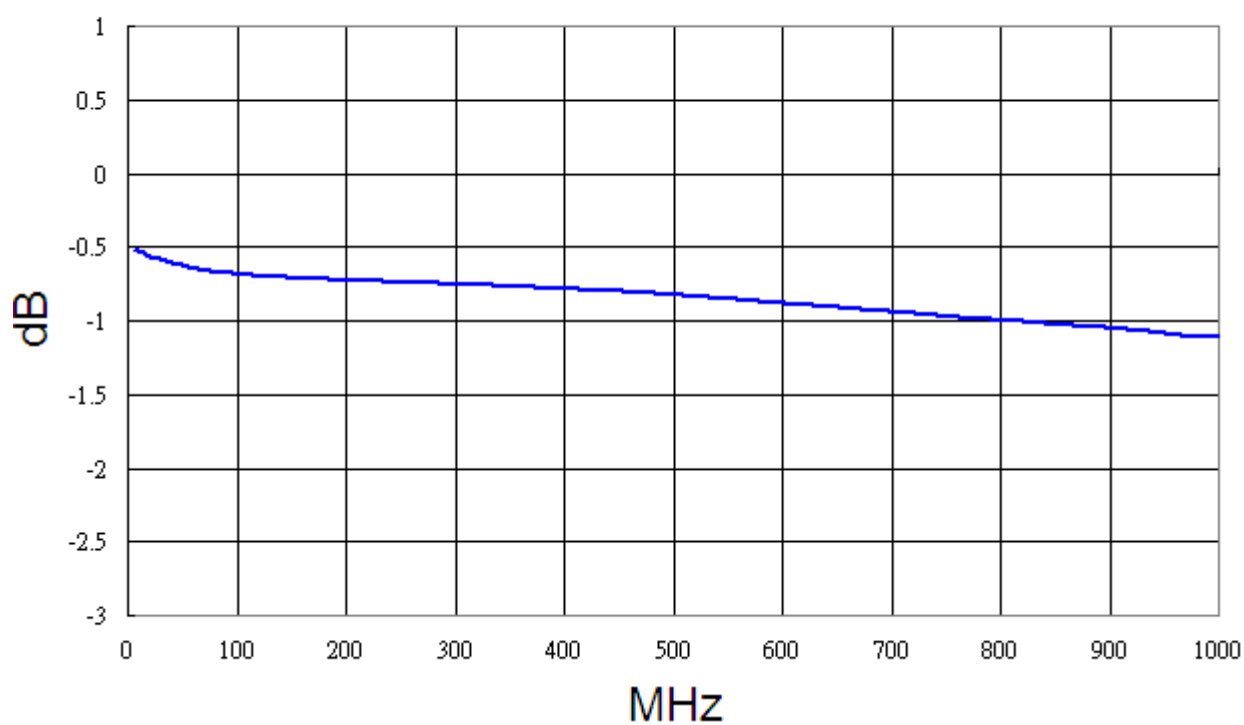
Insertion Loss 3-6



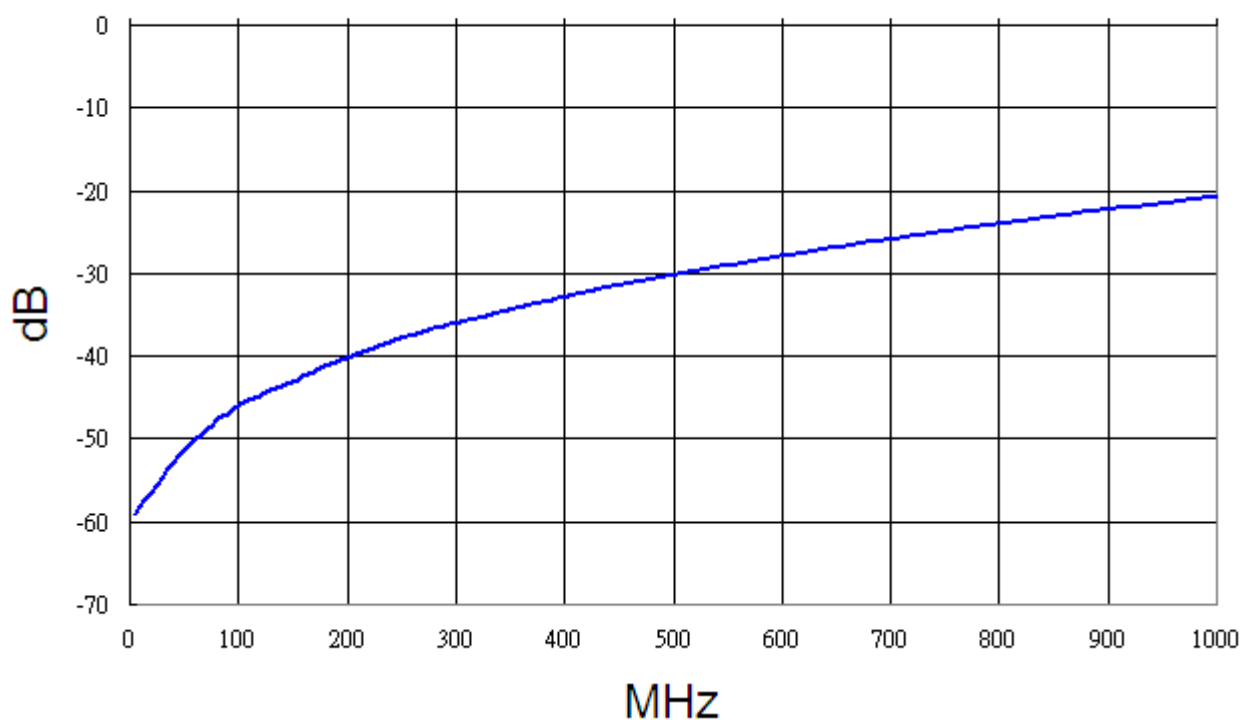
Insertion Loss 3-4



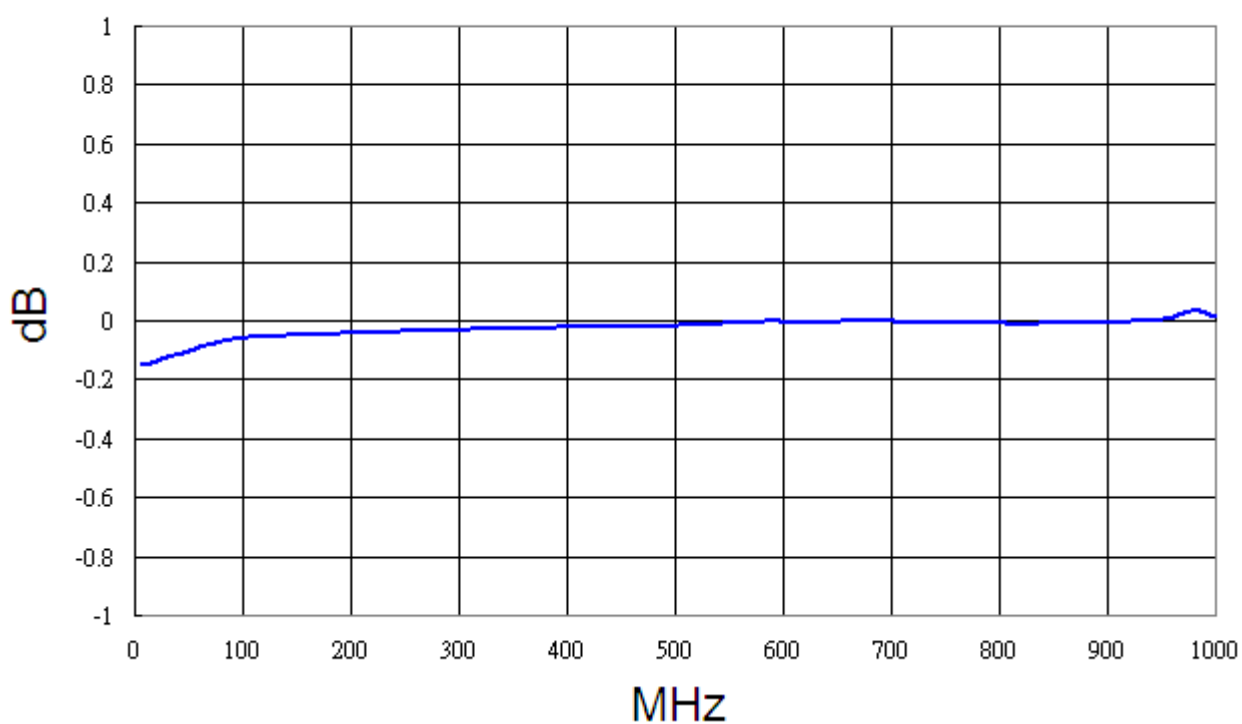
Insertion Loss 3-2



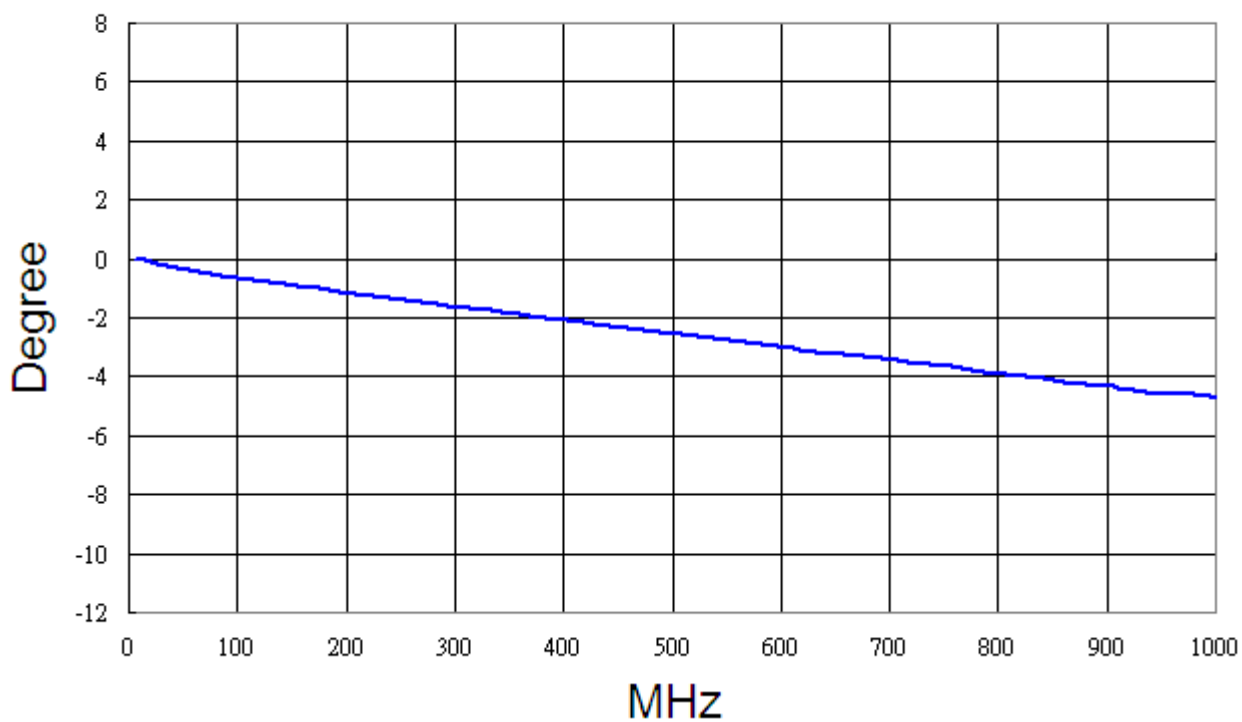
Isolation



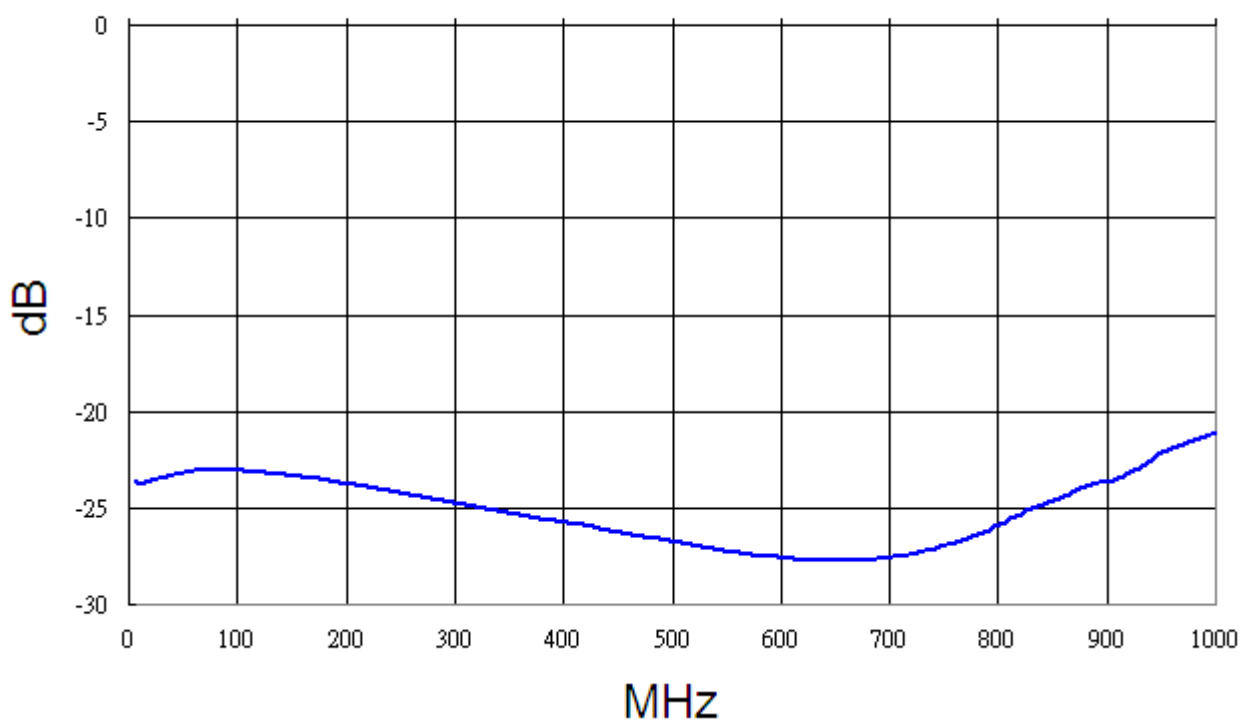
Amplitude



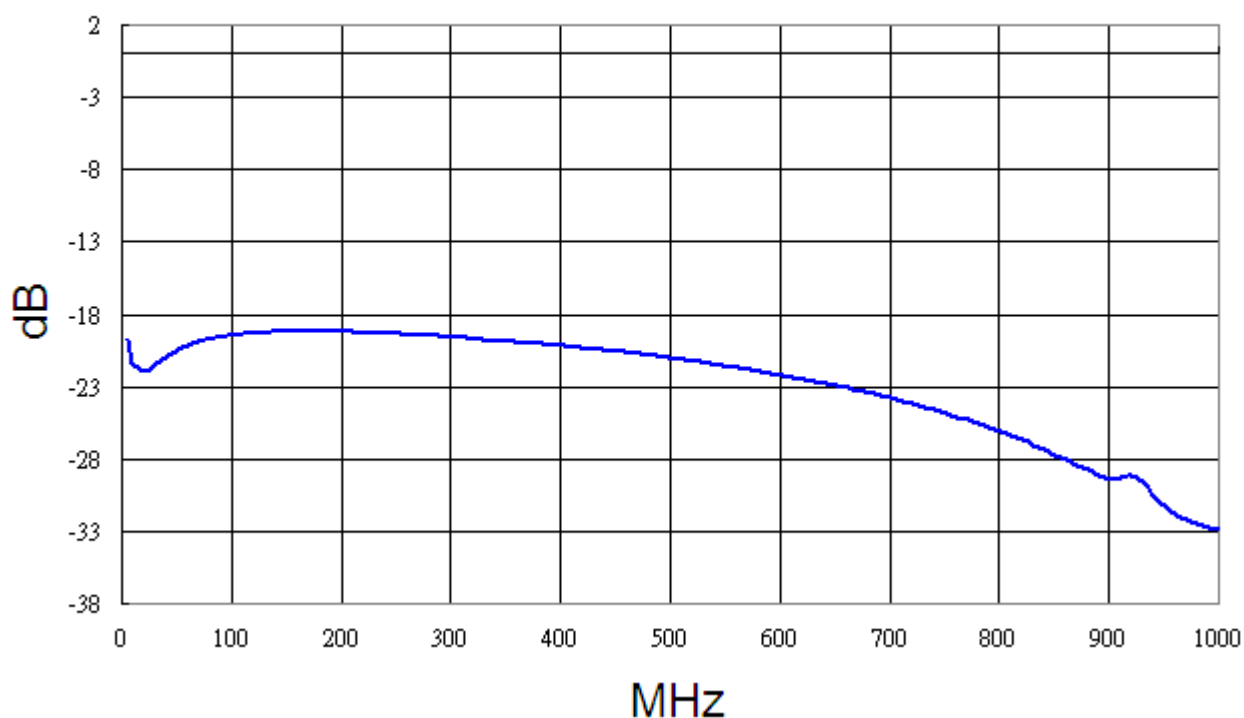
Phase



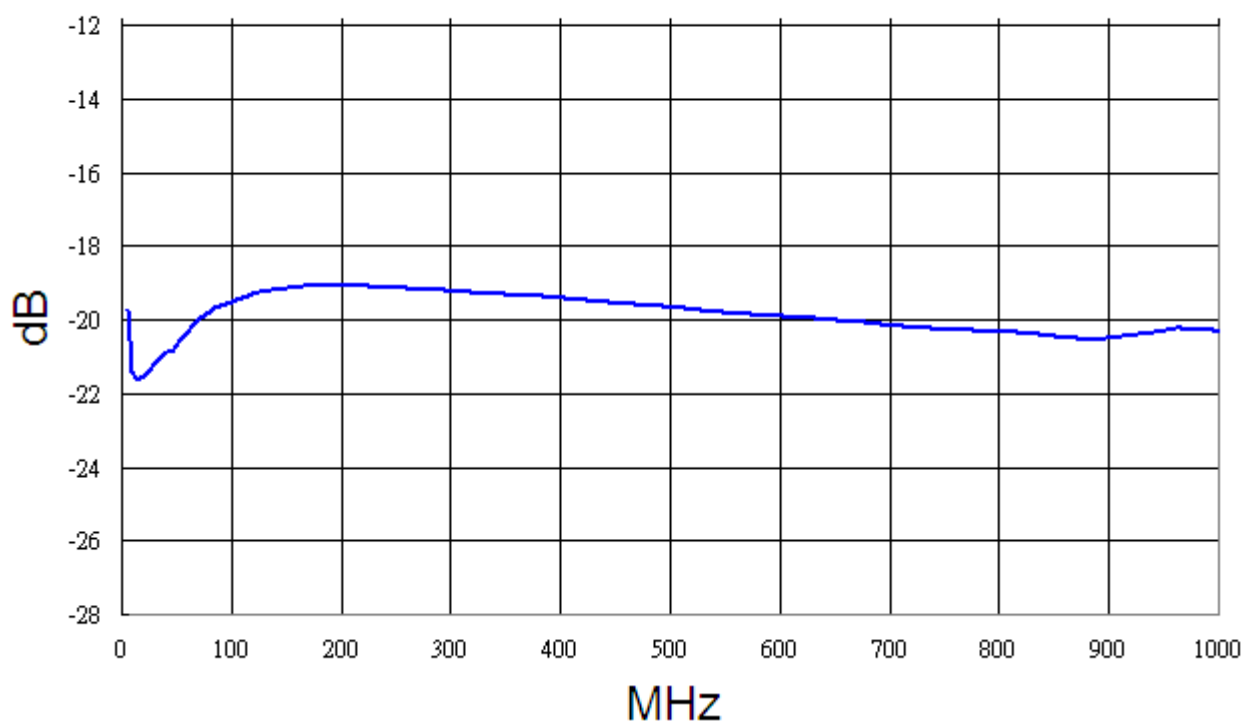
Input Return Loss



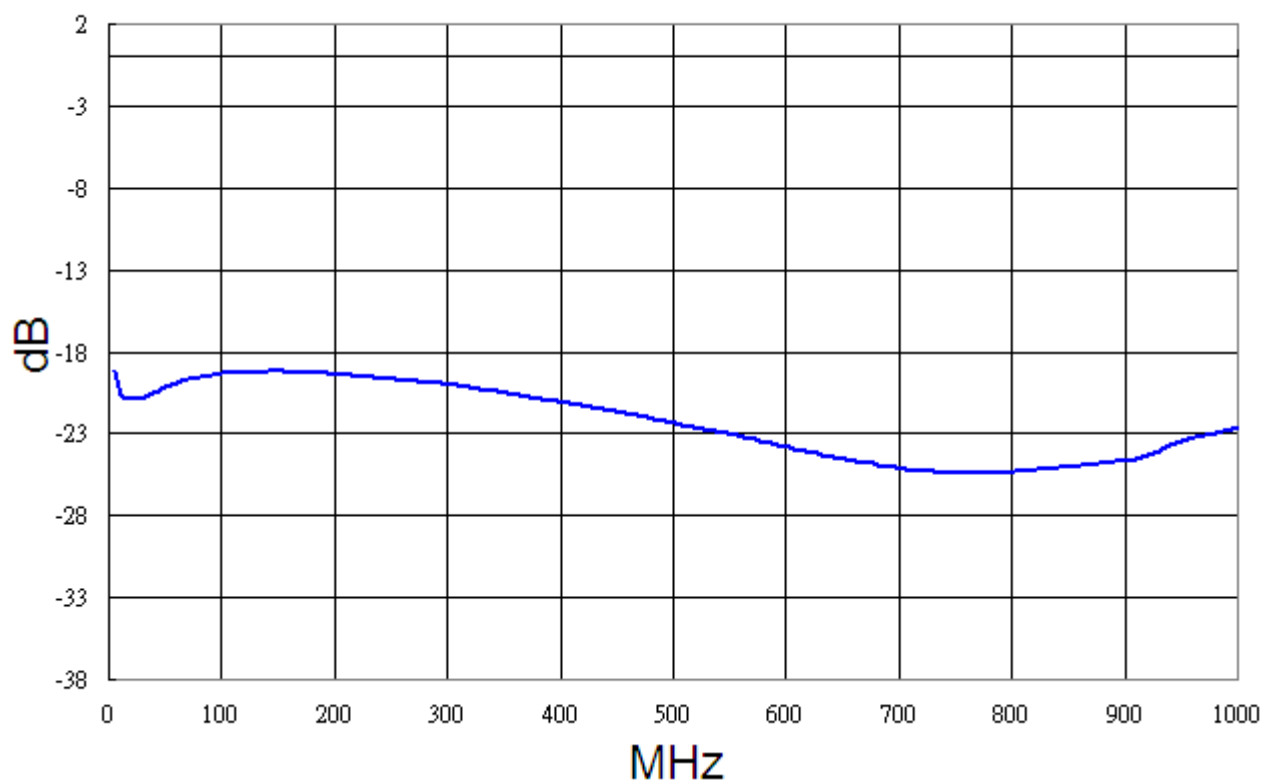
Output Return Loss 8



Output Return Loss 6



Output Return Loss 4



Output Return Loss 2

