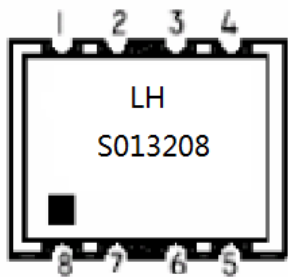


3Way 0° Divide Frequency: 5-1500MHZ.

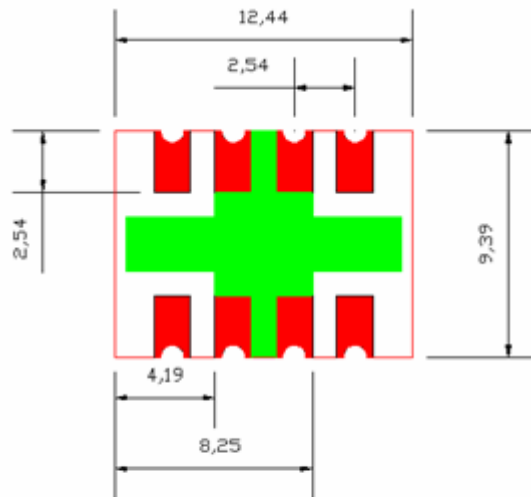
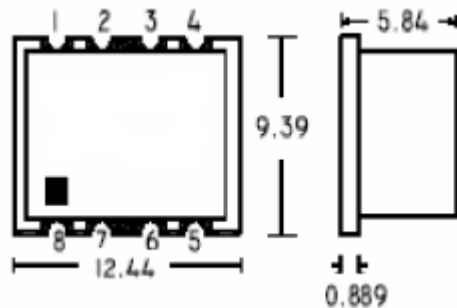
Feature:

- .3way 0degree Divide.
- .SMT part.
- .Packaging 500pcs per reel.
- .used in 75 ohm systems.
- .weld connect.
- .260 degree compatible.

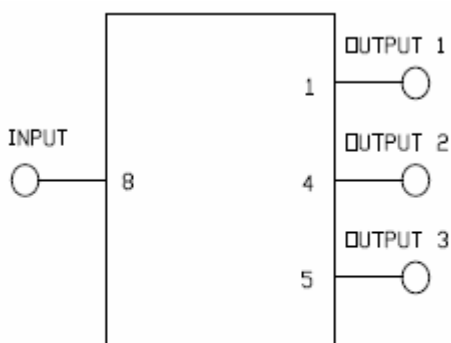
ROHS COMPLIANT



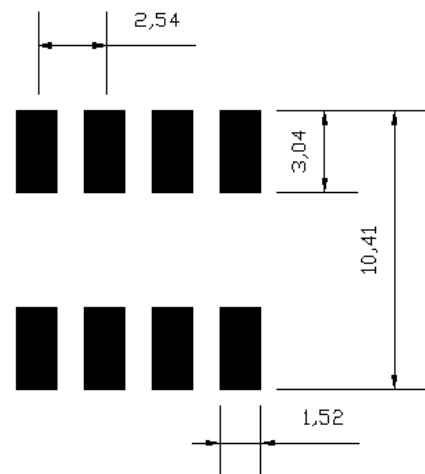
Base dimension



All dimension tolerances $\pm 5\%$ unless otherwise specified.



Schematic



Recommended pcb design

Description:

.LH Corporation S013208 is a 3way 0°splitter RF transformer.

Low cost SMT transmission transformer designed high volume applications.

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

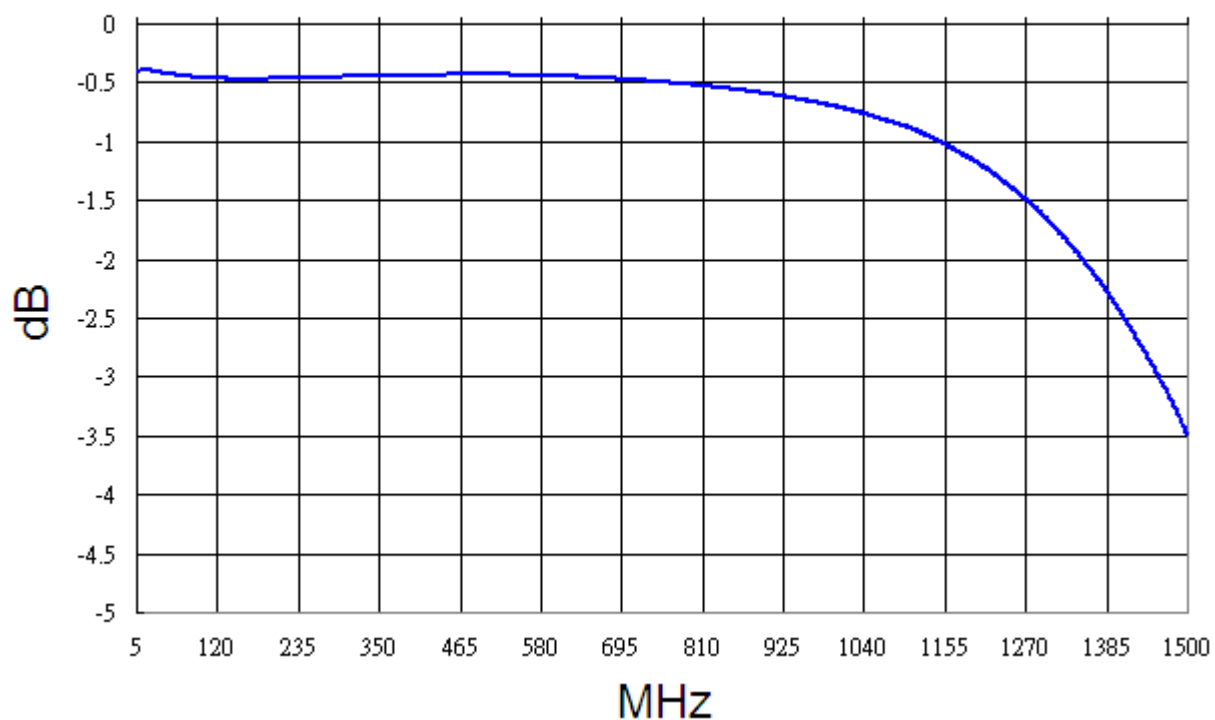
Ordering Information	
Part Number	Package
1	500pcs/reel

Absolute Maximum Ratings	
Parameter	Absolute Maximum
RF Power	250mW
DC Current	30mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-40℃ to +85℃

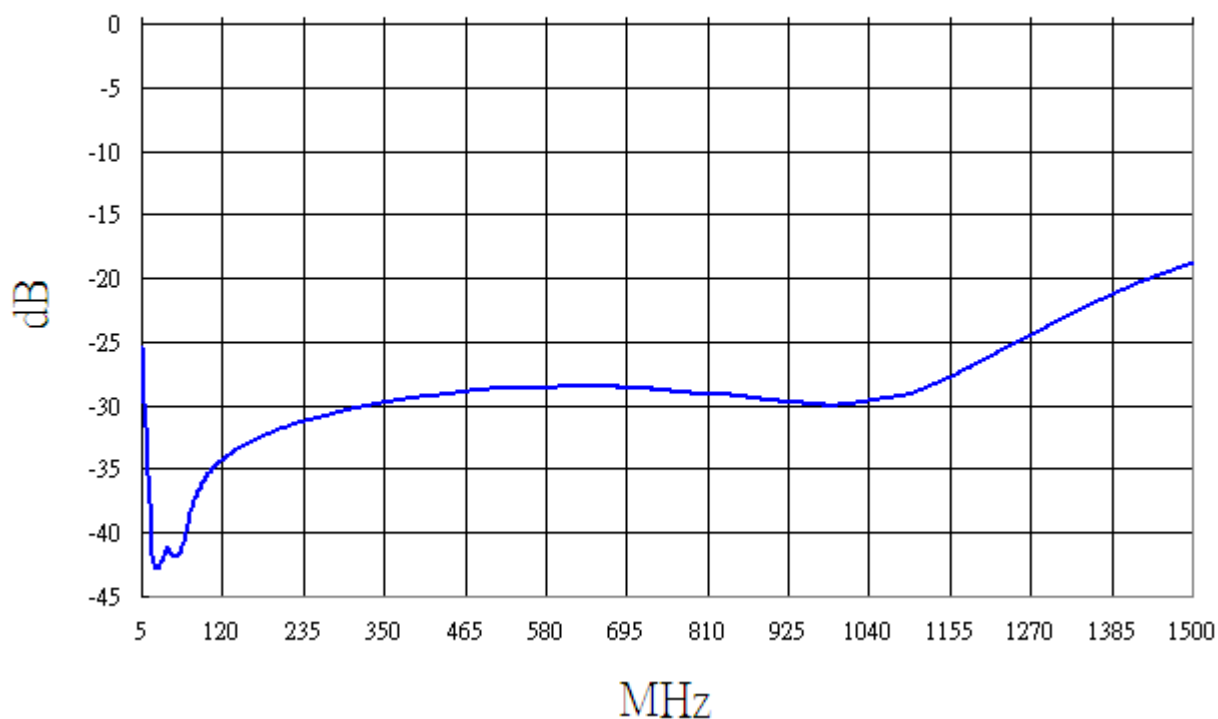
Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss (Pin8-1)	5 - 46MHz	dB	---	0.37	0.55
	46 - 870MHz	dB	---	1.23	1.65
	870 - 1002MHz	dB	---	1.5	2.0
	1002 - 1218MHz	dB	---	2.5	2.8
	1218 - 1500MHz	dB	---	4.5	5.5
Insertion Loss (Pin8-4)	5 - 46MHz	dB	---	0.37	0.55
	46 - 870MHz	dB	---	1.0	1.3
	870 - 1002MHz	dB	---	1.2	1.5
	1002 - 1218MHz	dB	---	1.7	2.8
	1218 - 1500MHz	dB	---	3.5	5.0
Insertion Loss (Pin8-5)	5 - 46MHz	dB	---	0.38	0.55
	46 - 870MHz	dB	---	1.5	1.8
	870 - 1002MHz	dB	---	1.8	2.2
	1002 - 1218MHz	dB	---	1.8	2.2
	1218 - 1500MHz	dB	---	5	5.0
Input return loss	5 - 8MHz	dB	26	28	---
	8 - 46MHz	dB	27	31	---
	46 - 405MHz	dB	20	25	---
	405 - 1002MHz	dB	17.5	20	---
	1002 - 1218MHz	dB	15	18	---
	1218 - 1500MHz	dB	5	9	---
Output return loss (Pin1)	5 - 46MHz	dB	11	18	---
	46 - 1218MHz	dB	20	25	---
	1218 - 1500MHz	dB	15	18	---
Output return loss (Pin5,pin4)	5 - 46MHz	dB	11	18	---
	46 - 740MHz	dB	20	20	---
	740 - 1002MHz	dB	18	25	---
	1002 - 1218MHz	dB	18	18	---
	1218 - 1500MHz	dB	15	18	---
Amplitude Unbalance	5 - 46MHz	dB	---	±0.1	±0.2
	46 - 1218MHz	dB	---	±0.3	±0.5
	1218 - 1500MHz	dB	---	±0.5	±0.9
Phase Unbalance	5 - 50MHz	Degree	---	±0.4	±0.5
	50 - 1218MHz	Degree	---	±3.0	±4
	1218 - 1500MHz	Degree	---	±8.0	±12
Isolation	5 - 46MHz	dB	18	28	---
	46 - 1002MHz	dB	20	25	---
	1002 - 1218MHz	dB	18	24	---
	1218 - 1500MHz	dB	14	24	---
RF Power Rating (max)	250mW				
DC Current	30mA				
Test Impedance	75OHM				
Operating Temperature	-40°C Min +85°C Max				

performance.

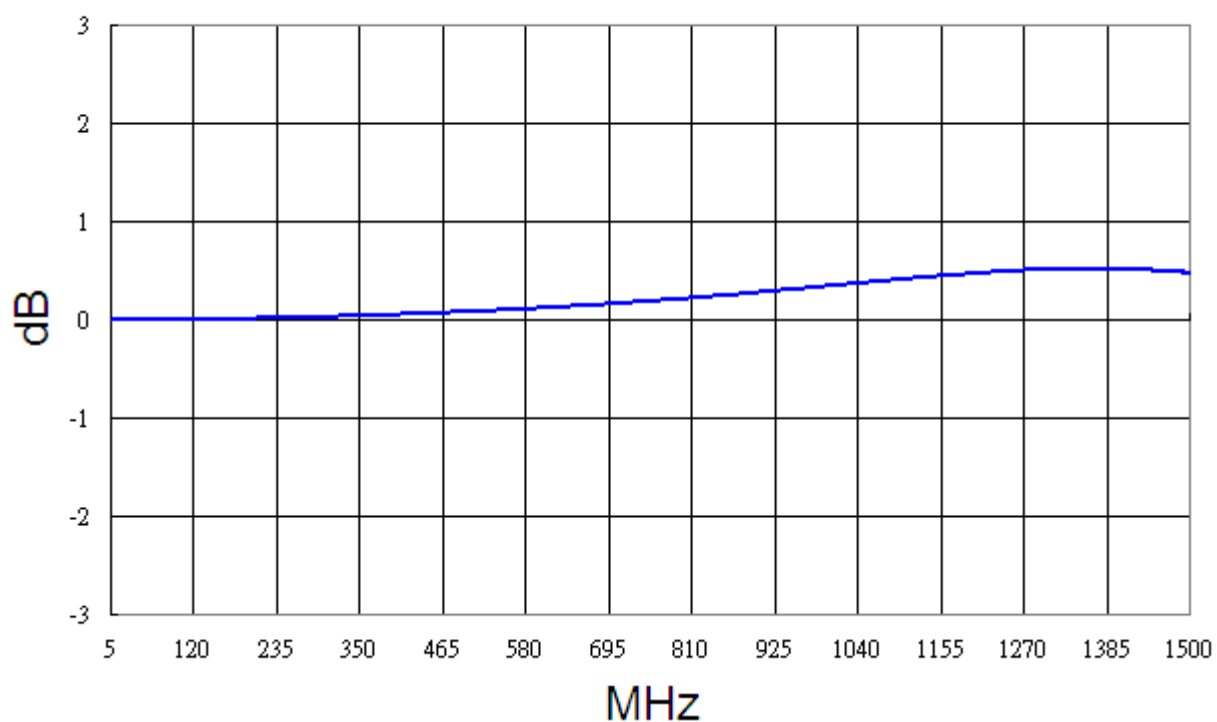
Insertion Loss



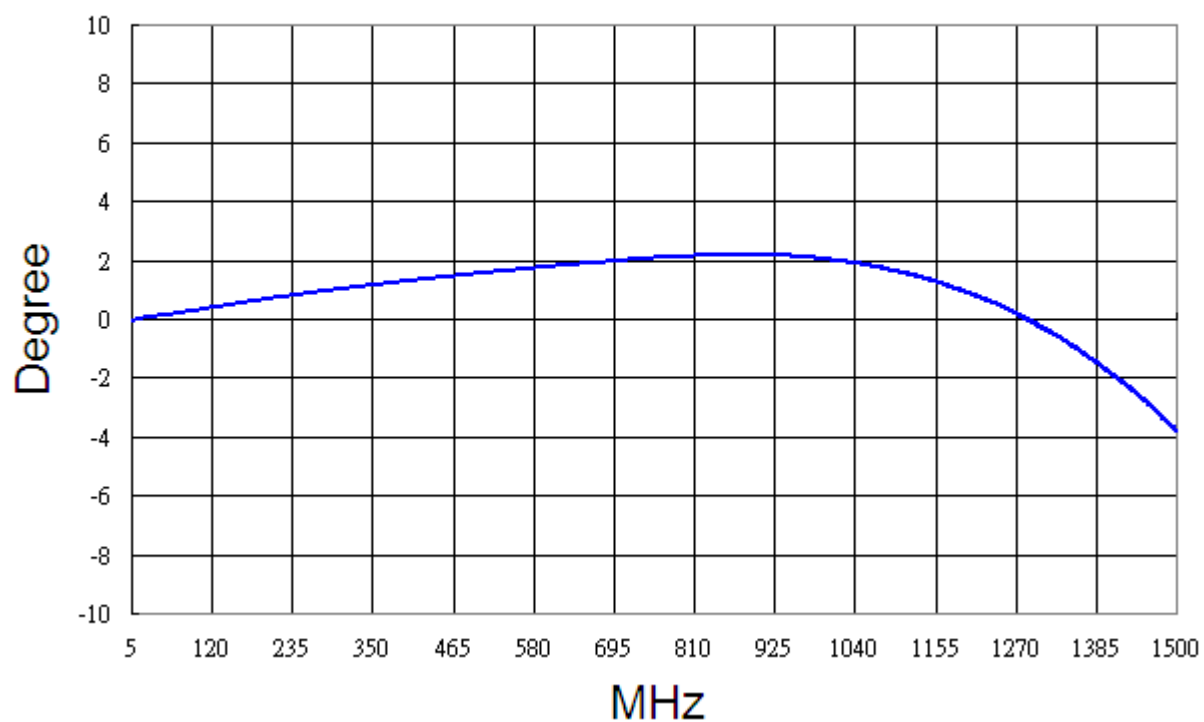
Isolation



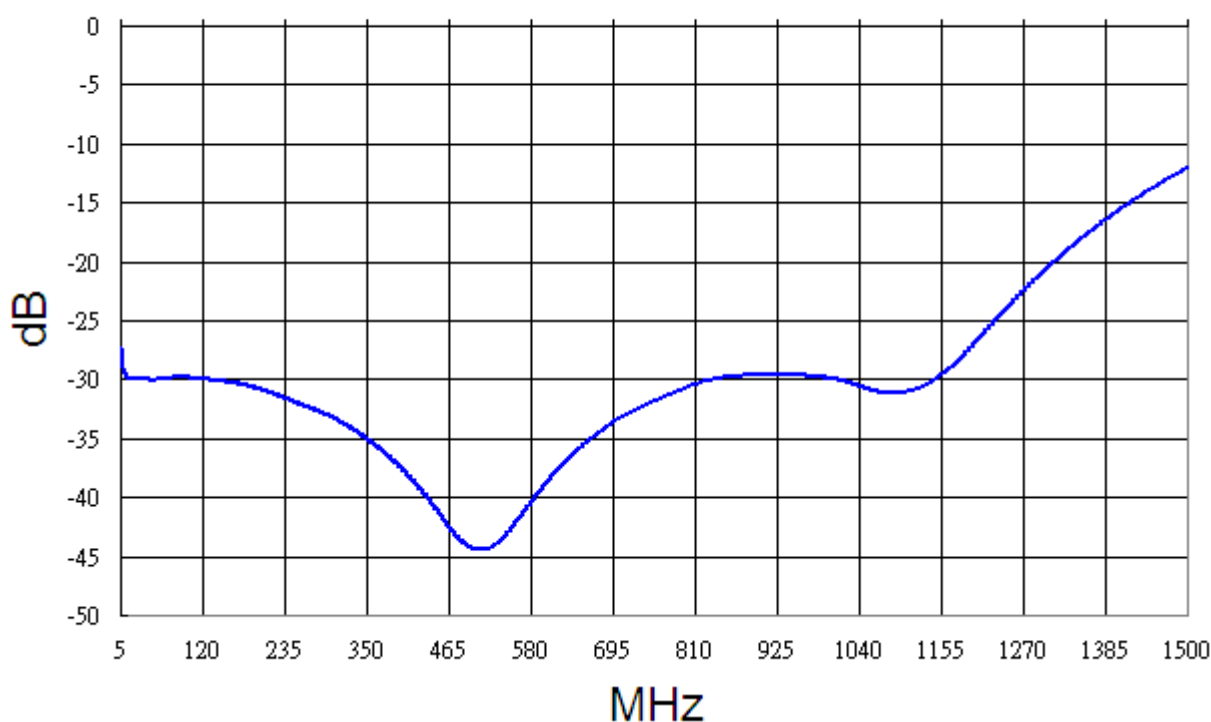
Amplitude



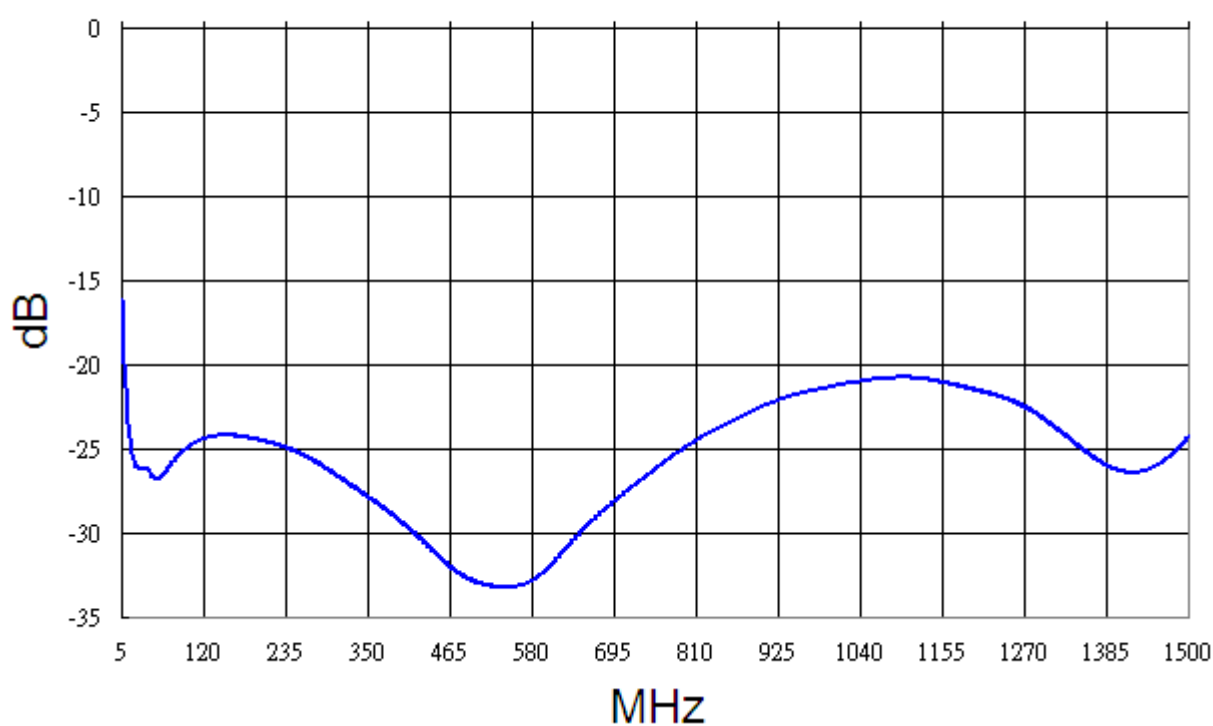
Phase



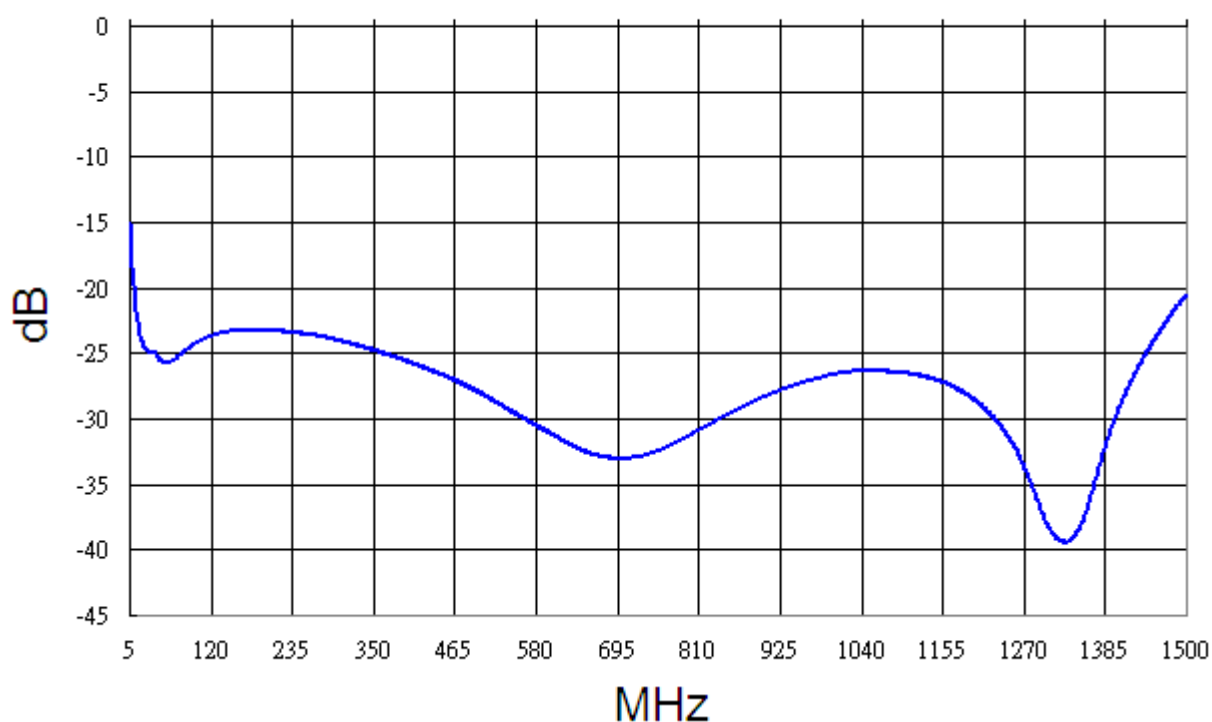
Input Return Loss pin8



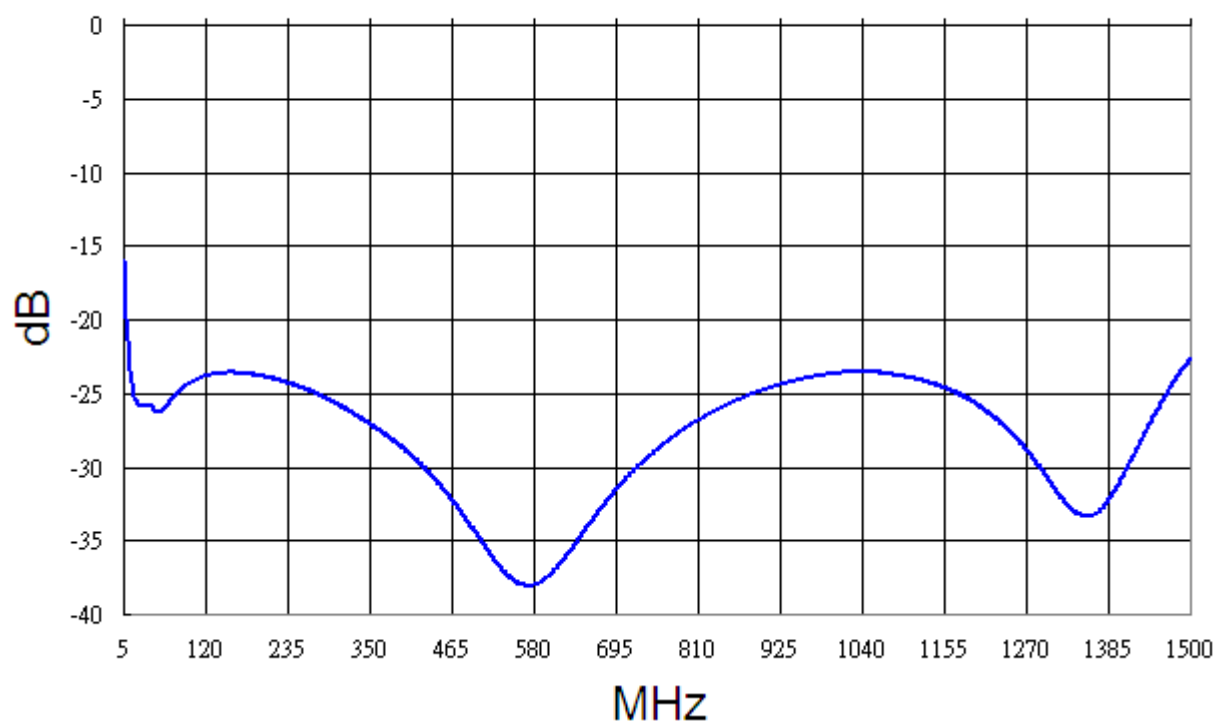
Output Return Loss pin5



Output Return Loss pin1



Output Return Loss pin4



Details test data see LH Matrix.