

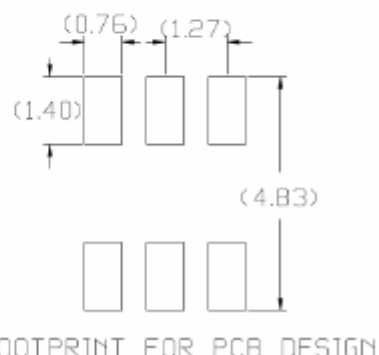
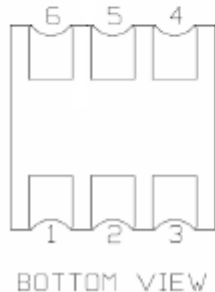
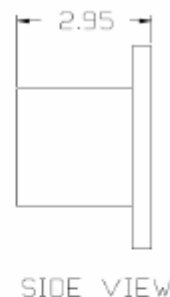
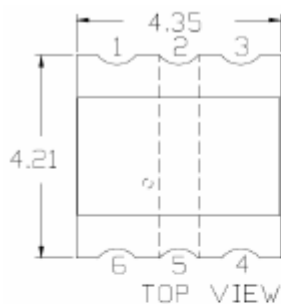
2Way 0° Divide transformer Frequency: 5-2150MHZ.

Base dimension

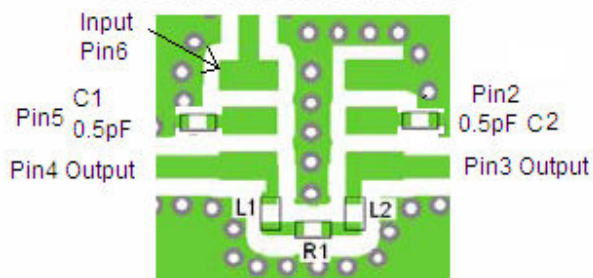
Feature:

- .2way 0degree transformer.
- .SMT part.
- .Packaging 2000pcs per reel.
- .used in 75 ohm systems.
- .weld connect.
- .260 degree compatible.

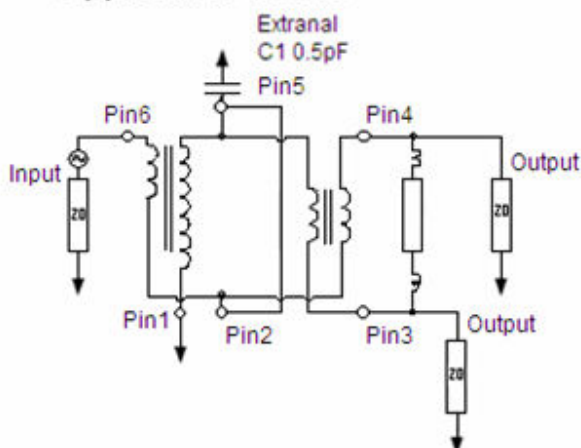
ROHS COMPLIANT



SUGGESTED PAD LAYOUT



Application Circuit



Reference	Manufacturer & p/n	Value
R1	Yageo RC0402FR-07186RL	240Ω
L1	TOKO LL1005-FHL8N2J	8.2nH
L2	TOKO LL1005-FHL8N2J	8.2nH
C1 C2	Murata GRM1555C1HR50BA01D	0.5pF

Description:

.LH Corporation S013207 is a 2way 0°splitter RF transformer.

Low cost SMT transmission transformer designed high volume applications.

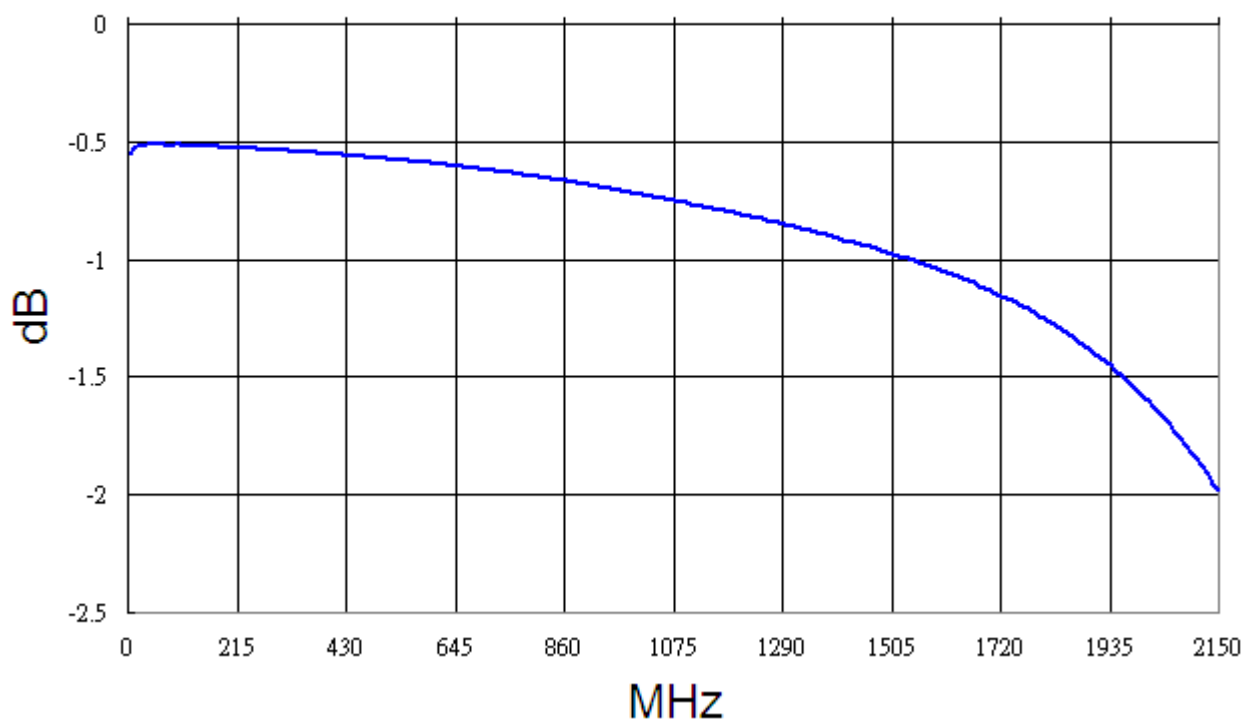
PIN CONFIGURATION	
PIN	FUNCTION
1	GND
2	0.5pF external
3	Output1
4	Output2
5	0.5pF external
6	Input

Electrical Specifications: TA=25°C, Zo=75Ω Pin=0dbm

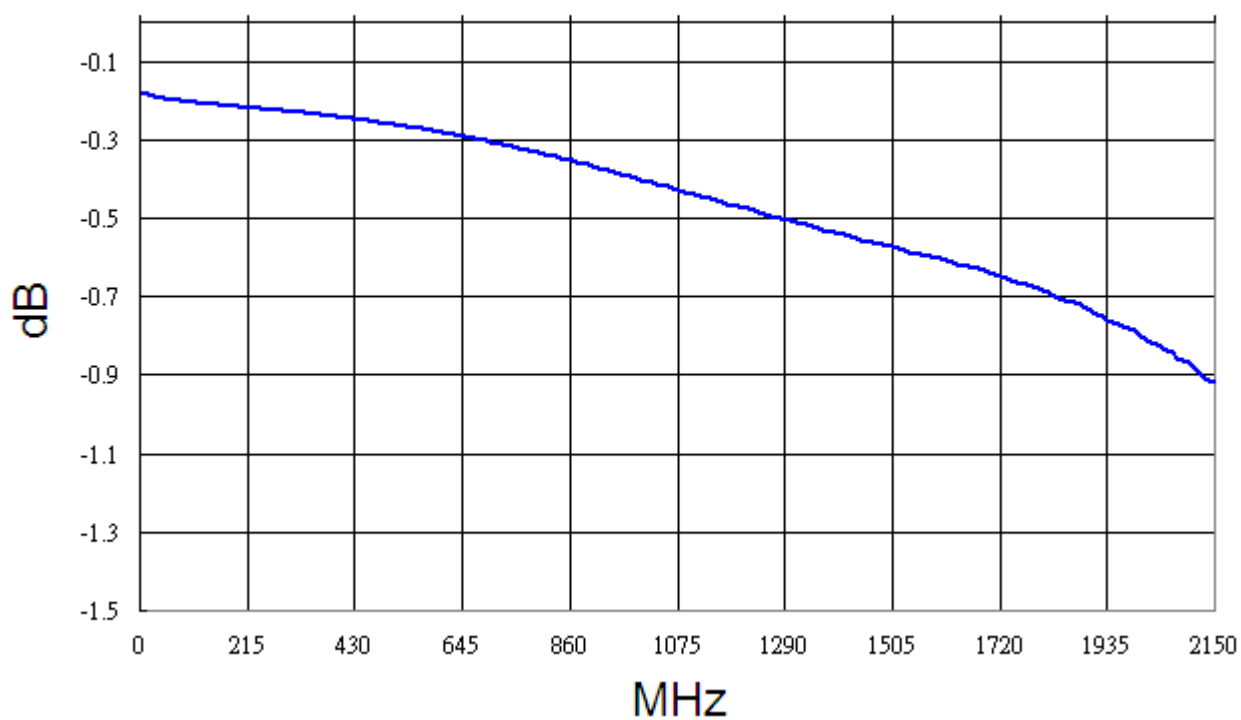
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion loss1 Pin6-4	5-1002MHz	dB	---	0.3	0.7
	1002-1600MHz	dB	---	0.6	1.2
	1600-2150MHz	dB	---	1.0	2.0
Insertion loss1 Pin6-3	5-1002MHz	dB	---	0.6	1.0
	1002-1600MHz	dB	---	1.0	1.6
	1600-2150MHz	dB	---	1.5	3.2
Phase Unbalance	5-1002MHz	degree	----	0.8	+/-4.0°
	1002-1600MHz	degree	----	1.0	+/-6.0°
	1600-2150MHz	degree	----	2.0	+/-7.0°
Amplitude Unbalance	5-1002MHz	dB	---	0.3	+/-0.6
	1002-1600MHz	dB	---	0.3	+/-0.8
	1600-2150MHz	dB	---	0.5	+/-1.5
Input return loss	5-1002MHz	dB	20	39	---
	1002-1600MHz	dB	14	22	---
	1600-2150MHz	dB	11	18	---
Output return loss1 Pin4	5-1002MHz	dB	17	28	---
	1002-1600MHz	dB	13	18	---
	1600-2150MHz	dB	9	14	---
Output return loss Pin3	5-1002MHz	dB	20	40	---
	1002-1600MHz	dB	15	22	---
	1600-2150MHz	dB	12	18	---
Isolation	5-9MHz	dB	24	30	---
	9-65MHz	dB	30	42	---
	65-870MHz	dB	26	34	---
	870-1002MHz	dB	24	31	---
	1002-1600MHz	dB	22	31	---
	300-1250MHz	dB	15	24	---
Input Power		250mW			
DC Current		30mA			
Operating Temperature Range		-40°C Min +85°C Max			

performance.

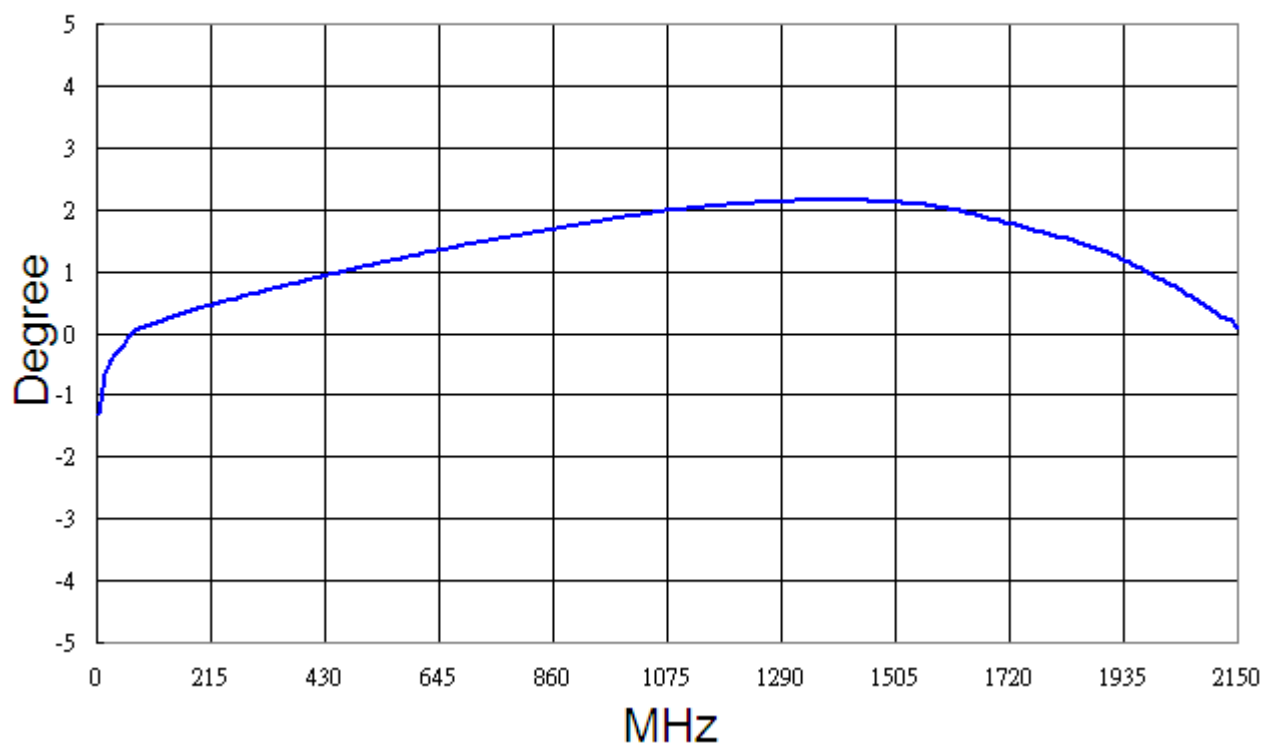
Insertion Loss 6-3



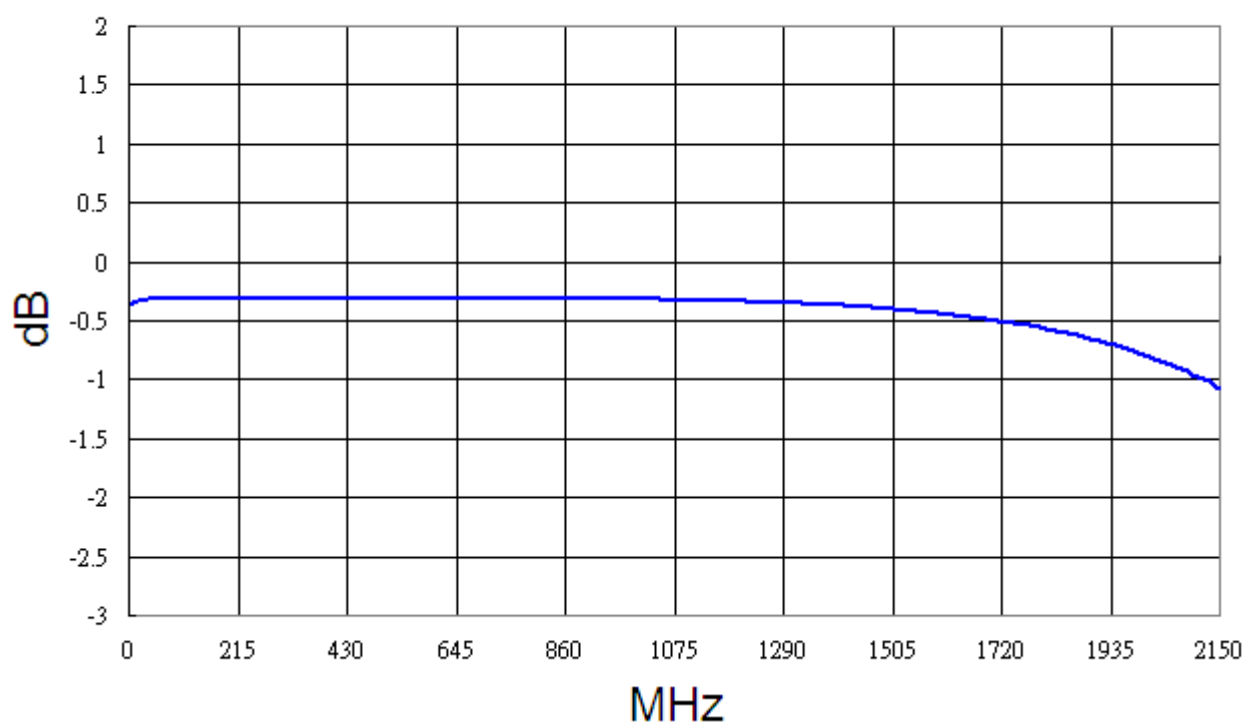
Insertion Loss 6-4



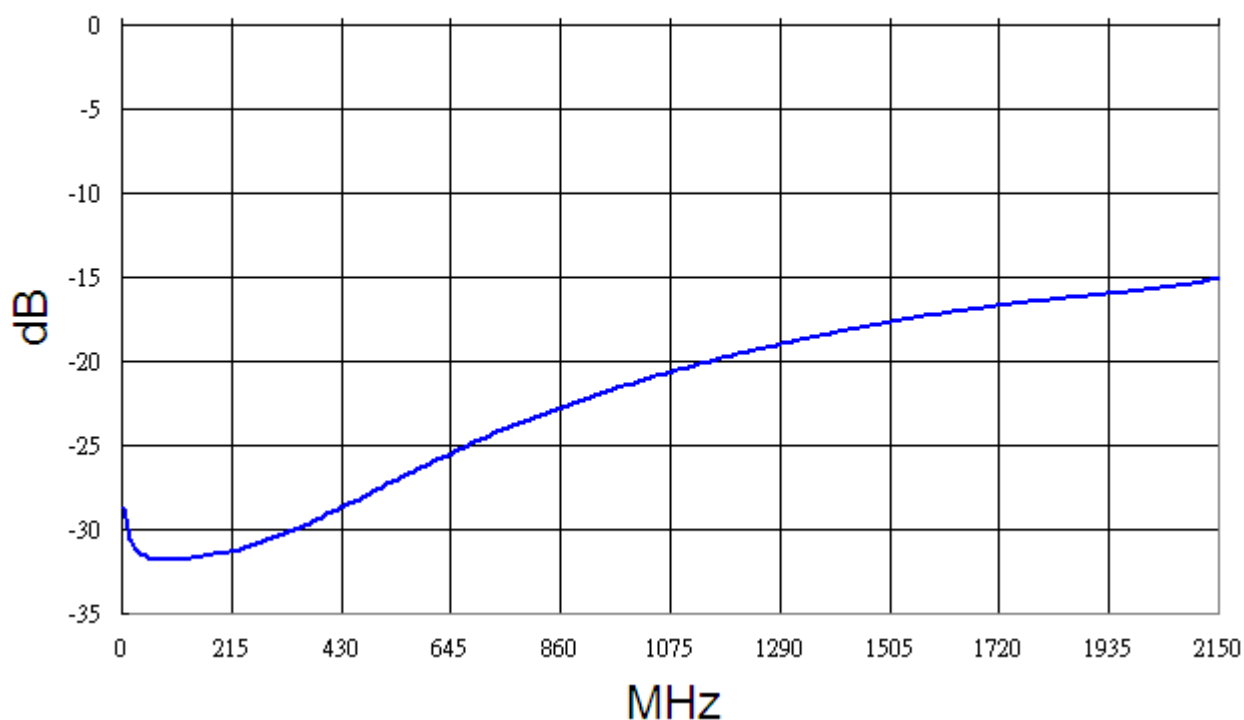
Phase



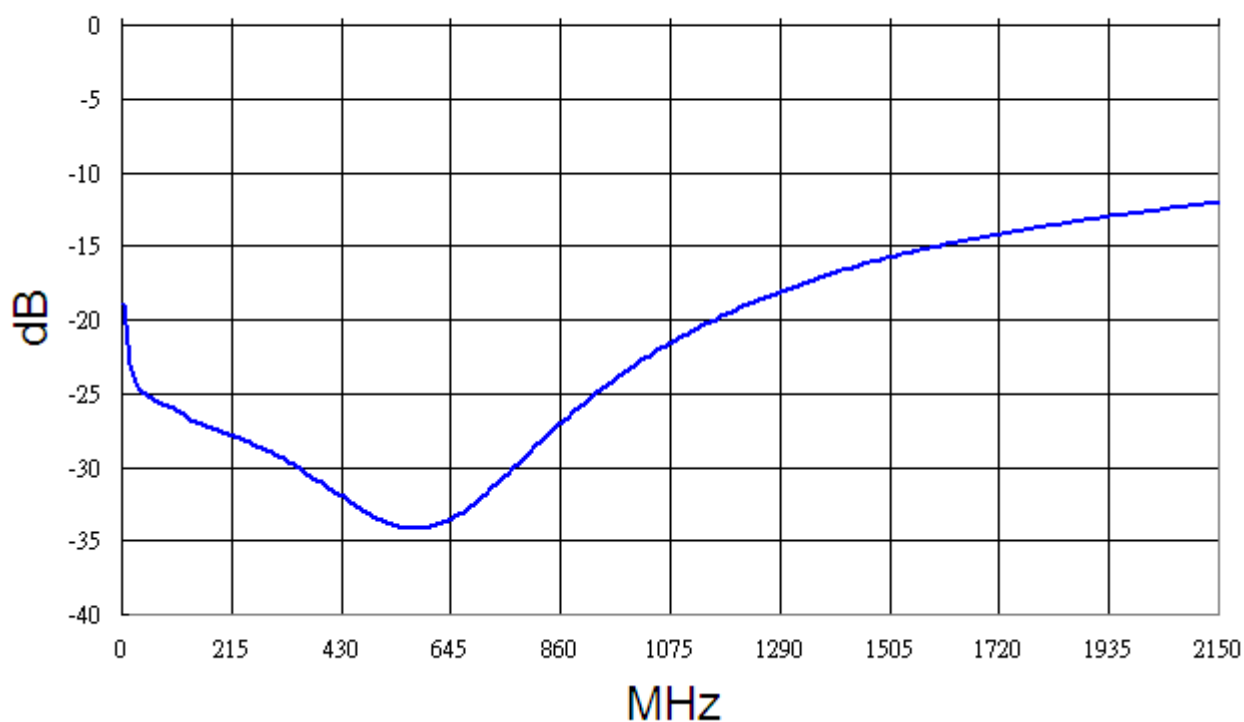
Amplitude



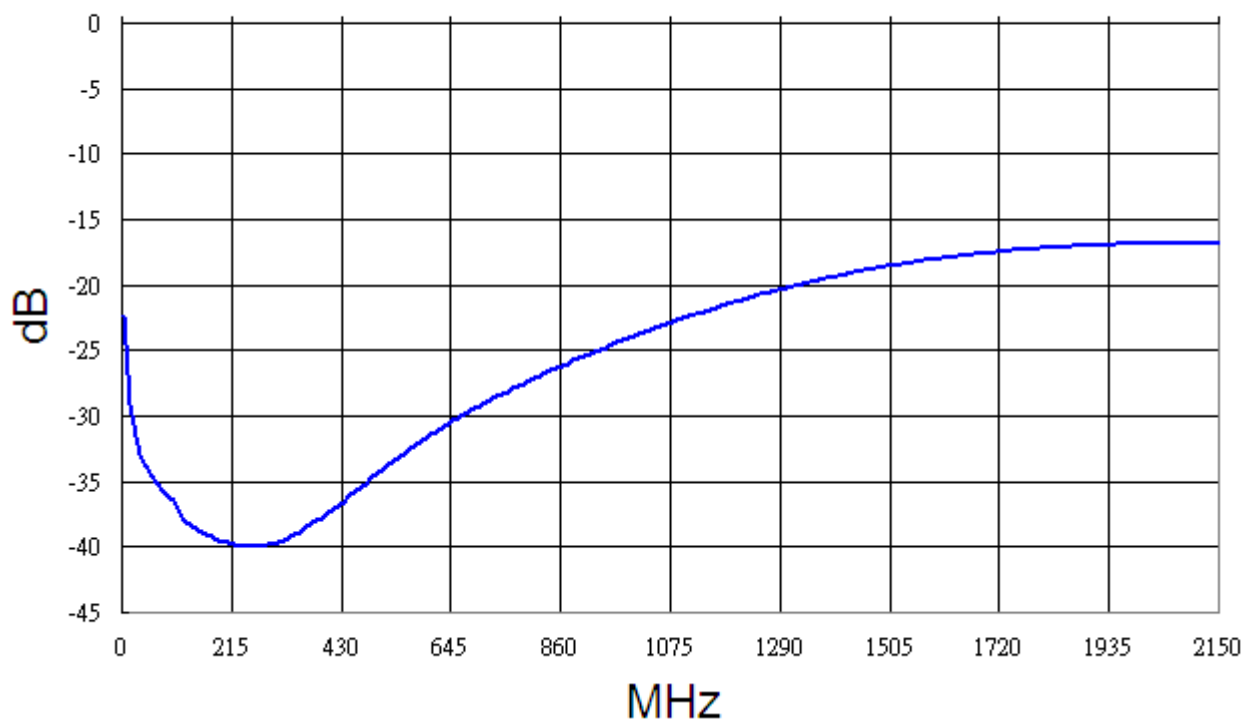
Input Return Loss



Output Return Loss Pin4



Output Return Loss Pin3



Isolation

