

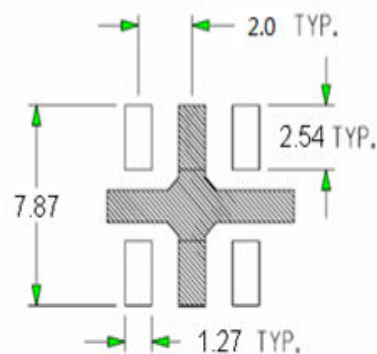
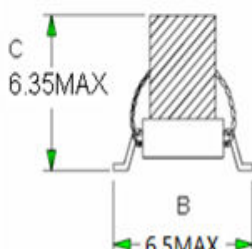
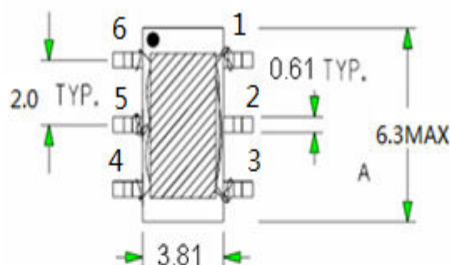
2Way 0° Divide transformer Frequency: 5-1250MHZ.

Base dimension

Feature:

- .2way 0degree transformer.
- .SMT part.
- .Packaging 1300pcs per reel.
- .used in 75 and 50ohm systems.
- .260 degree compatible.

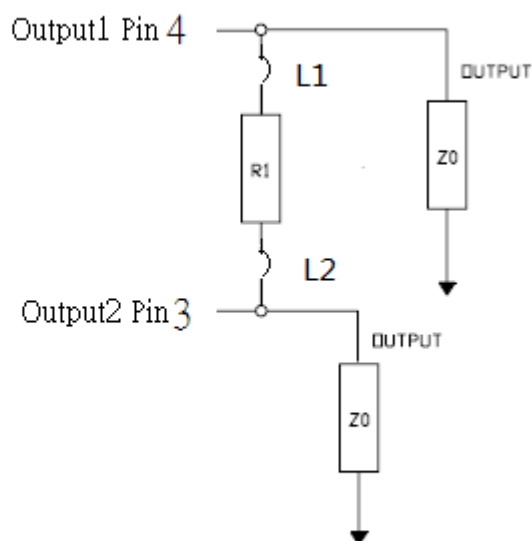
ROHS COMPLIANT



FOOTPRINT & RECOMMENDED
GND PATTERN ON MOTHERBOARD

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

Application Circuit



L1, L2 8.2nH

R1 240OHM

Description:

. SL016036 is a 2way 0°splitter RF transformer.

Low cost SMT transmission transformer designed high volume applications.

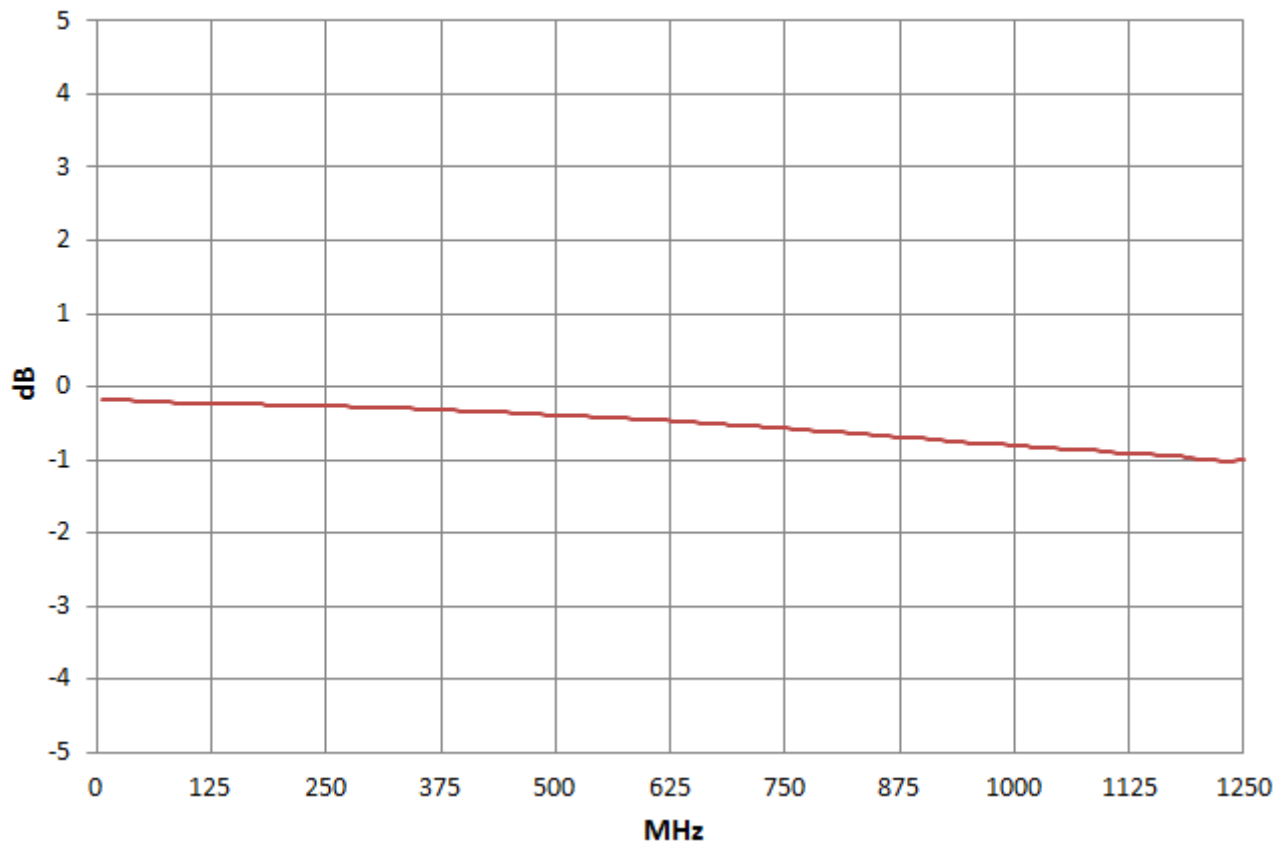
PIN CONFIGURATION

PIN	FUNCTION
1	GND
2 , 5	External 0. 5pF*2pcs to ground
3	Output1
4	Output2
6	Input

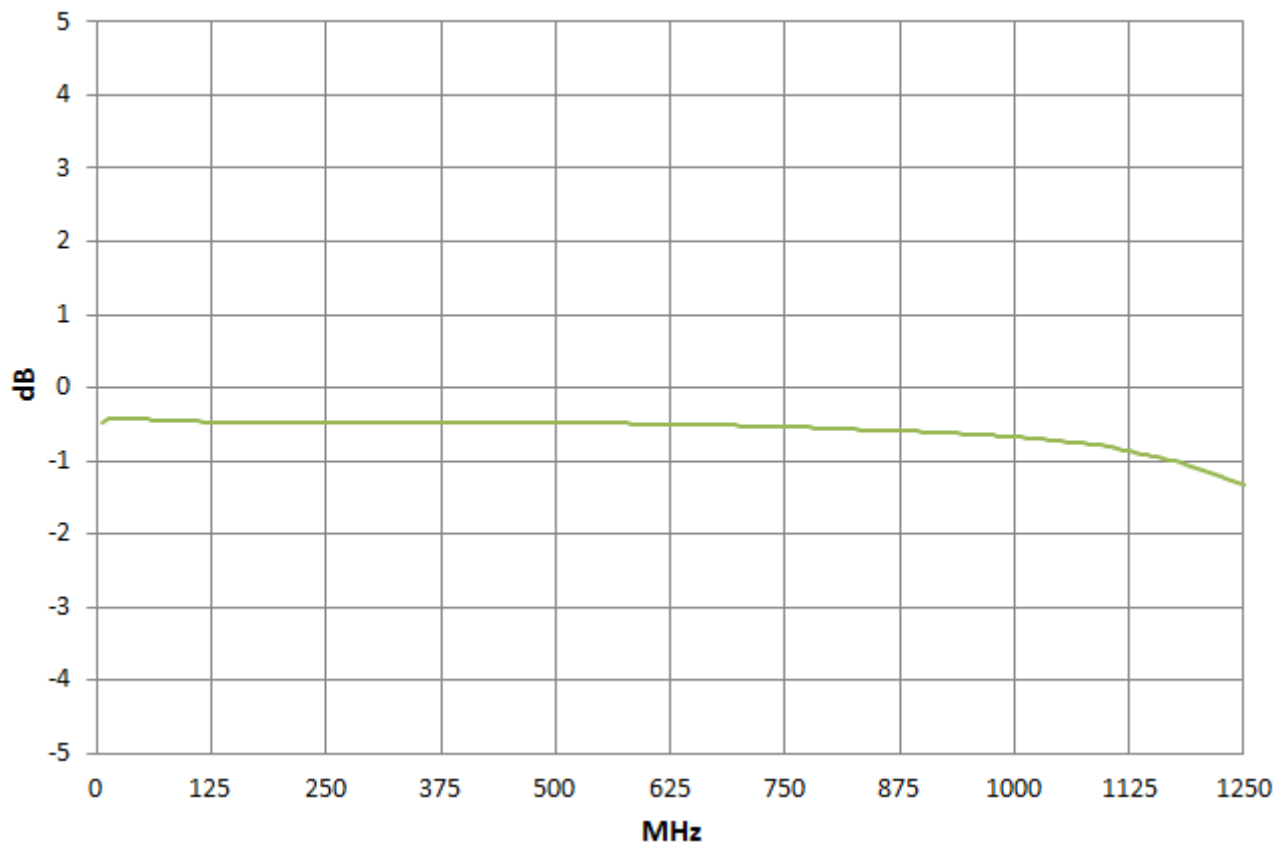
Electrical Specifications: TA=25°C, Zo=75Ω Pin=0dbm

Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion loss	5-50MHz	dB	---	0.45	0.7
	50-500MHz	dB	---	0.7	1.0
	500-1250MHz	dB	---	1.2	1.8
Phase Unbalance	5-50MHz	degree	----	---	+/-3°
	50-500MHz	degree	----	---	+/-4°
	500-1250MHz	degree	----	---	+/-12°
Amplitude Unbalance	5-50MHz	dB	---	---	+/-0.6
	50-500MHz	dB	---	---	+/-0.6
	500-1250MHz	dB	---	---	+/-0.8
Output return loss	5-50MHz	dB	16	18	---
	50-500MHz	dB	20	25	---
	500-1250MHz	dB	15	18	---
Input return loss	5-50MHz	dB	16	18	---
	50-500MHz	dB	20	25	---
	500-1250MHz	dB	16	20	---
Isolation	5-50MHz	dB	20	25	---
	50-500MHz	dB	20	24	---
	500-1250MHz	dB	20	24	---
RF Power Rating (max)		500mw			
DC Current Rating (max)		250mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

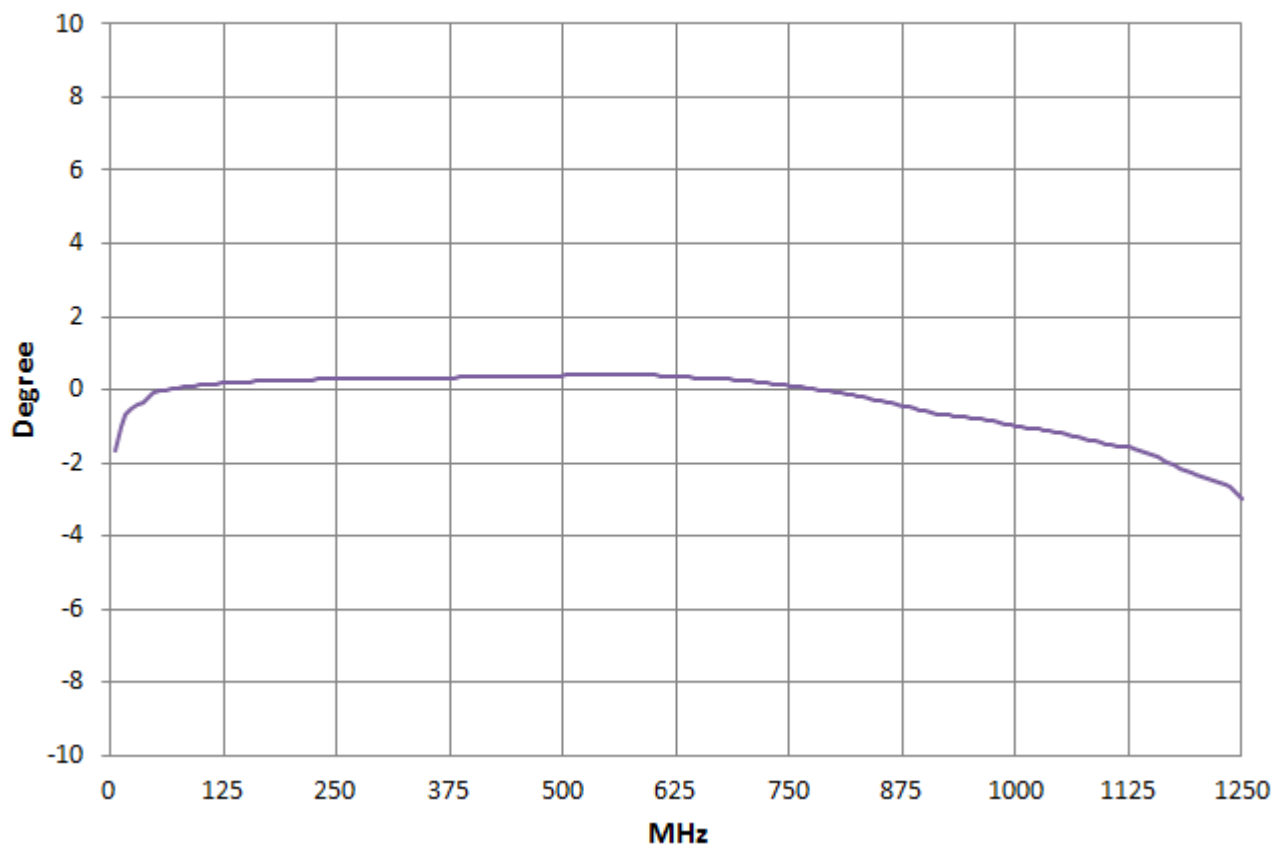
Insertion Loss 6-3



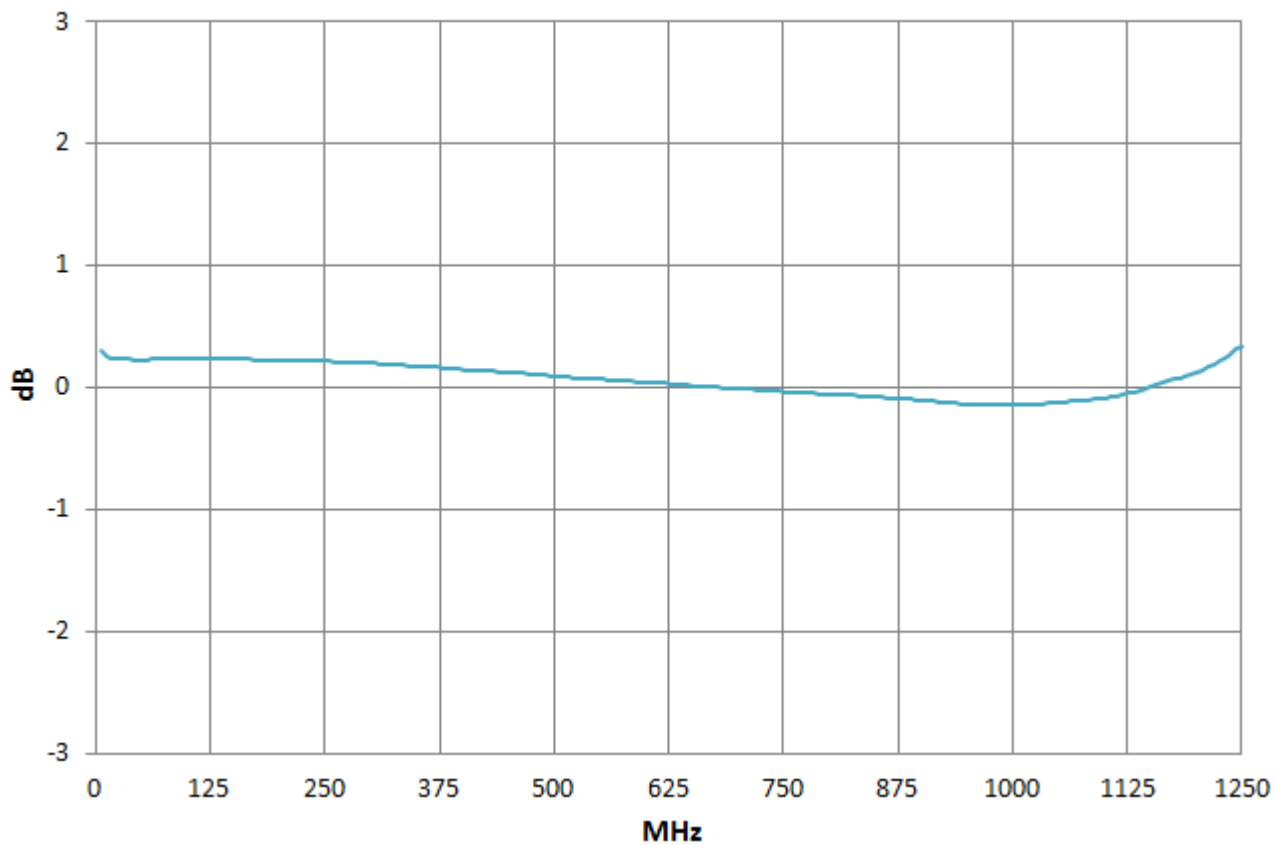
Insertion Loss 6-4



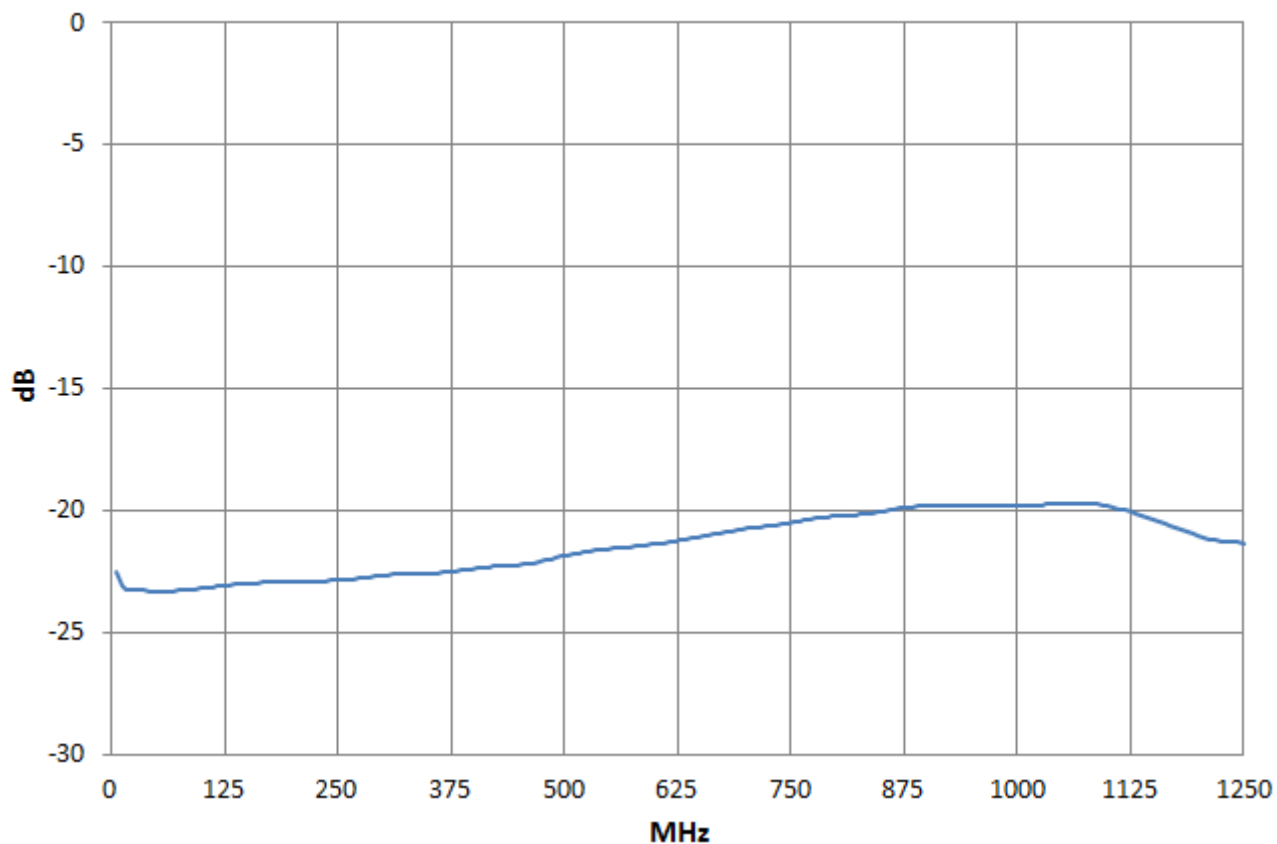
Phase



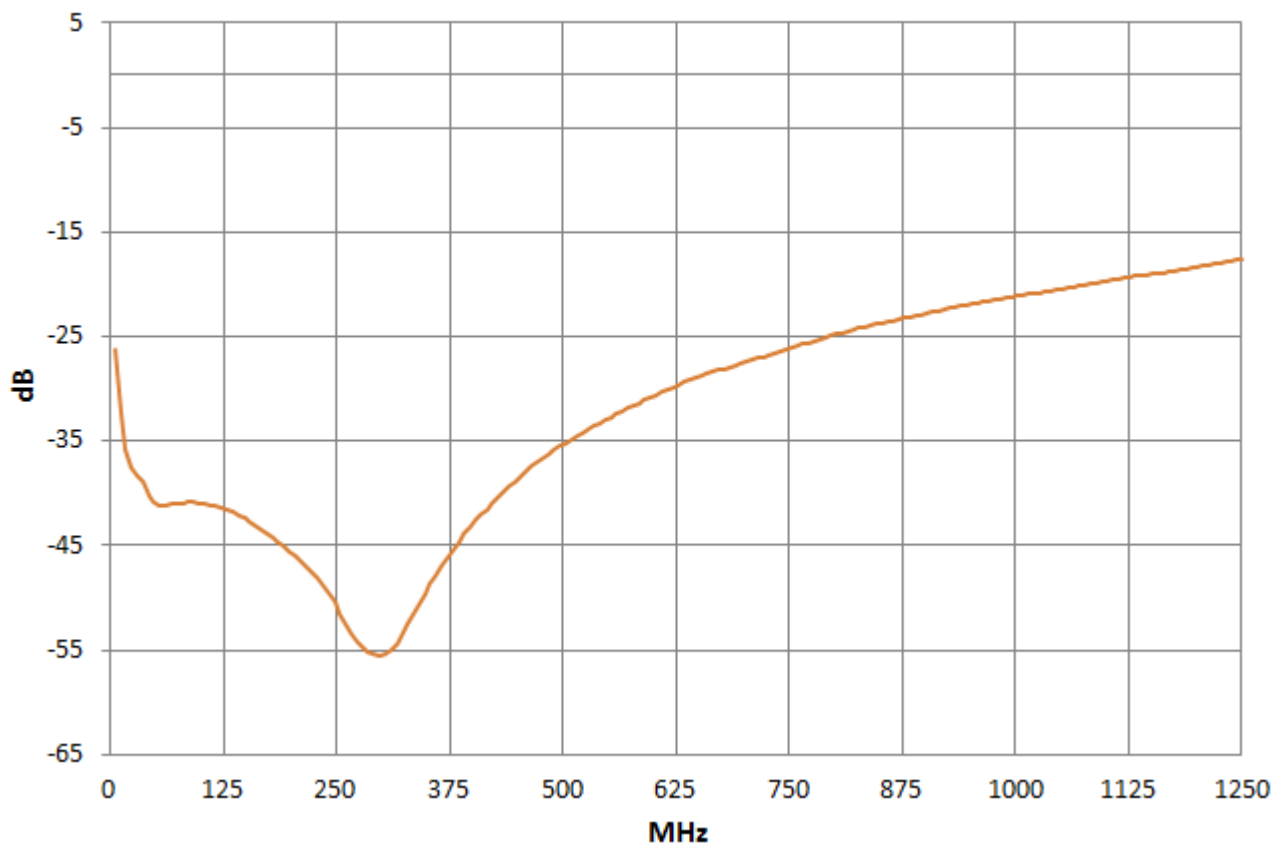
Amplitude



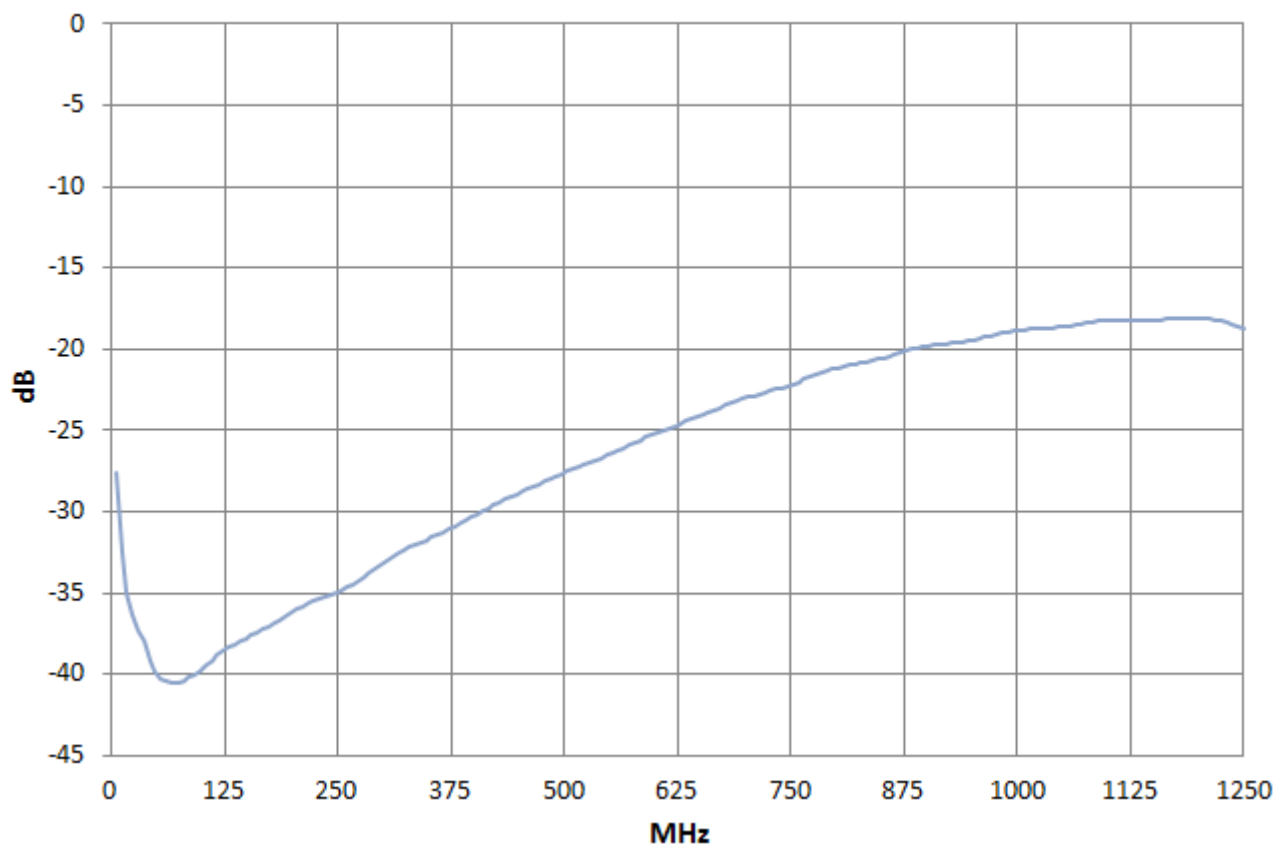
Input Return Loss



Output Rrturn Loss pin3



Output Rrturn Loss pin4



Isolation

