

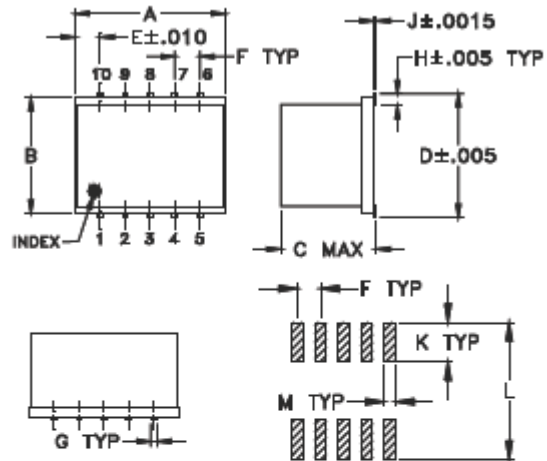
4Way 0° Divide **Frequency: 5-1000MHZ.**

dimension

Feature:

- .4way 0degree Divide.
- .SMT part.
- .Packaging 900pcs per reel.
- .used in 50 ohm systems.
- .260 degree compatible.

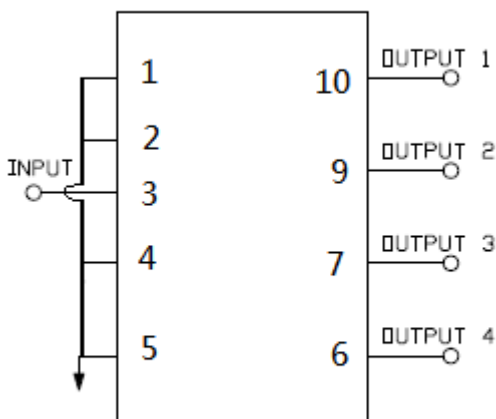
ROHS COMPLIANT



Suggested Layout
Tolerance to be within ± 0.002

Dimensions (inch mm)

A	B	C	D	E	F	G
.30	.250	.190	.266	.050	.050	.012
7.62	6.35	4.83	6.76	1.27	1.27	0.30
H	J	K	L	M		
.029	.004	.085	.296	.030		
0.74	0.10	2.16	7.52	0.76		



Schematic

Description:

. LH Corporation SL018077-4W-1TL50 is a 4way 0° power divide.

Low cost SMT transmission transformer designed high volume applications.

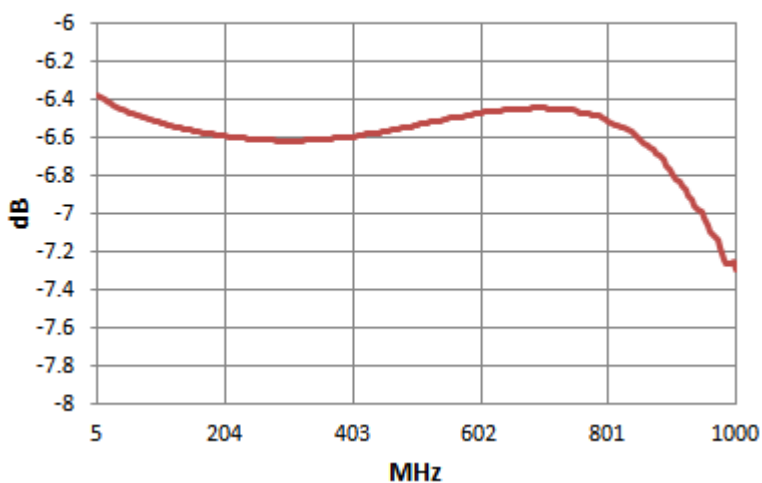
PIN CONFIGURATION	
PIN	FUNCTION
10	Output1
1,2,4,5,8	GND
9	Output2
6	Output3
5	Output4
3	Input

Ordering Information	
Part Number	Package
1	900pcs/reel

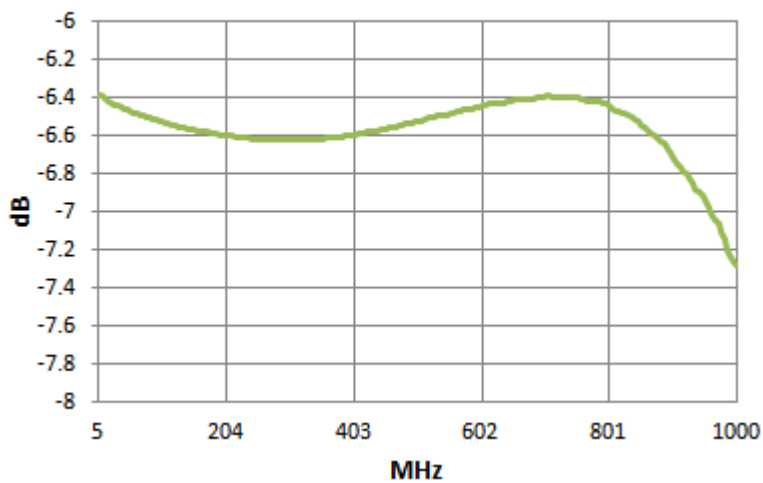
Absolute Maximum Ratings	
Parameter	Absolute Maximum
RF Power	1W
DC Current	240mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-50℃ to +100℃

Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss S-1	5 - 400MHz	dB	---	0.7	1.2
	400 - 750MHz	dB	---	0.8	1.5
	750 - 1000MHz	dB	---	1.2	2.5
Insertion Loss S-2	5 - 400MHz	dB	---	0.7	1.2
	400 - 750MHz	dB	---	0.8	1.5
	750 - 1000MHz	dB	---	1.2	2.5
Insertion Loss S-3	5 - 400MHz	dB	---	0.7	1.2
	400 - 750MHz	dB	---	0.8	1.5
	750 - 1000MHz	dB	---	1.2	2.5
Insertion Loss S-4	5 - 400MHz	dB	---	0.7	1.2
	400 - 750MHz	dB	---	0.8	1.5
	750 - 1000MHz	dB	---	1.2	2.5
Input return loss	5 - 400MHz	dB	21	25	---
	400 - 750MHz	dB	17	21	---
	750 - 1000MHz	dB	16	20	---
Output return loss (Pin2,Pin4,Pin6,pin8)	5 - 500MHZ	dB	16	25	---
	500 - 1000MHZ	dB	16	22	---
Amplitude Unbalance	5 - 400MHz	dB	---	±0.0	±0.3
	400 - 1000MHz	dB	---	±0.3	±0.5
Phase Unbalance	5 - 100MHz	Degree	---	±0.1	±5
	100 - 200MHz	Degree	---	±0.5	±6
	200 - 1000MHz	Degree	---	±1.0	±11
Isolation Between All Output	5 - 400MHZ	dB	22	30	---
	400 - 750MHZ	dB	17	25	---
	750 - 1000MHZ	dB	15	20	---
RF Power Rating (max)	1W				
DC Current	240mA				
Test Impedance	50OHM				
Operating Temperature	-40°C Min +85°C Max				
Storage Temperature	-50°C to +100°C				

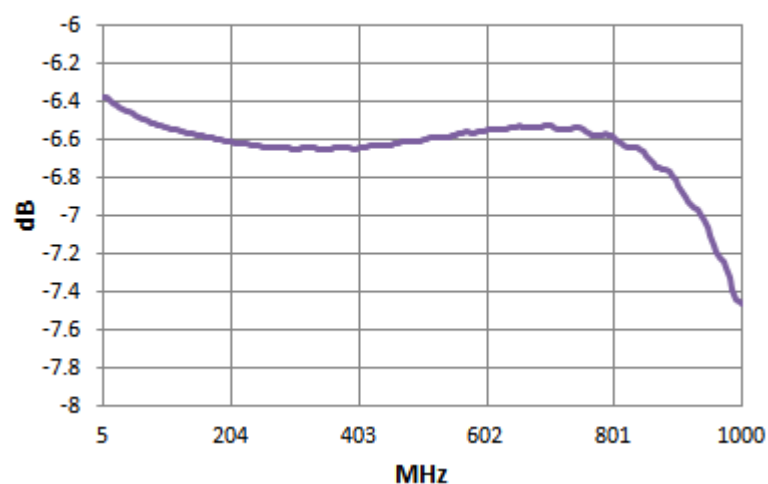
Insertion Loss S-1



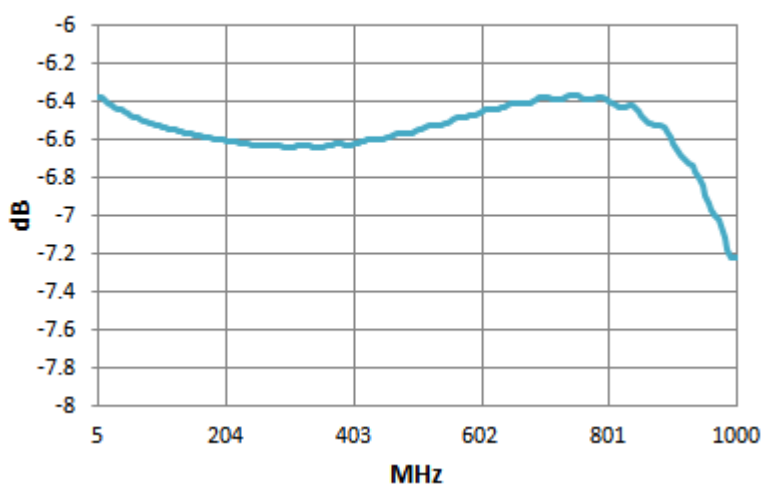
Insertion Loss S-2



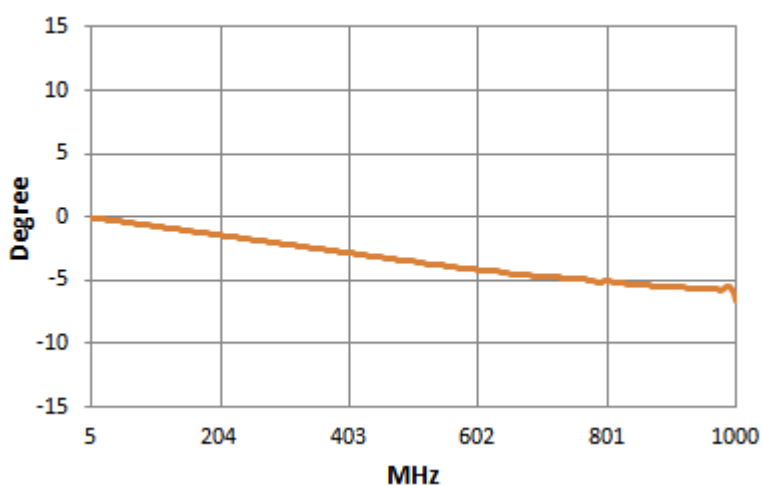
Insertion Loss S-3



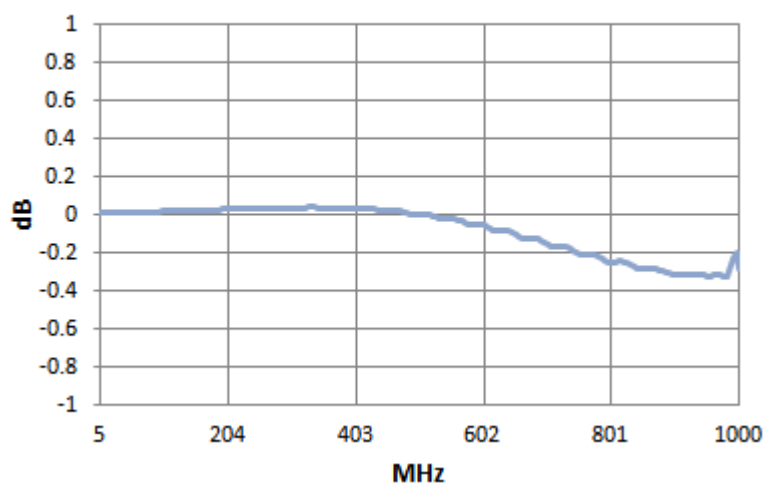
Insertion Loss S-4



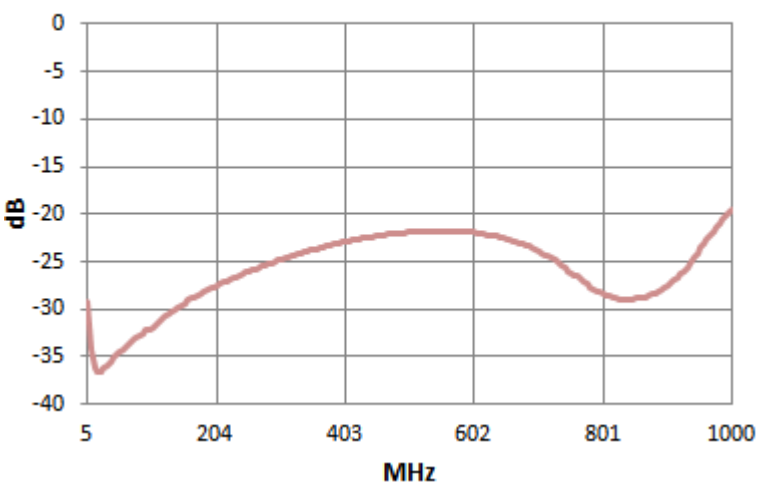
Phase



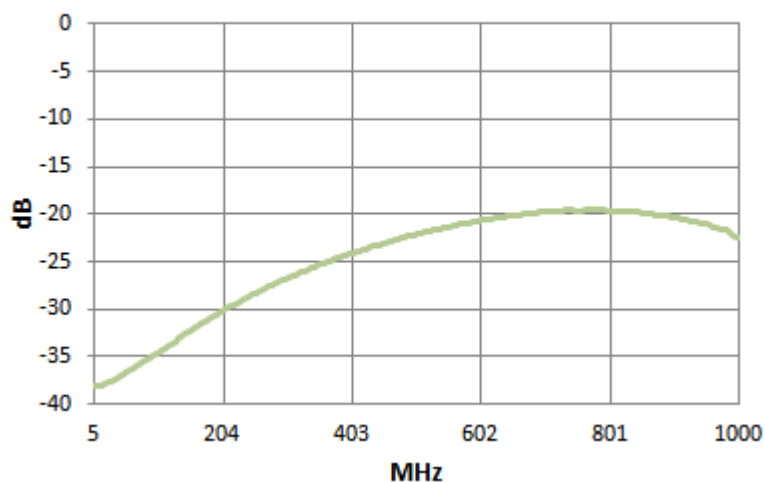
Amplitude



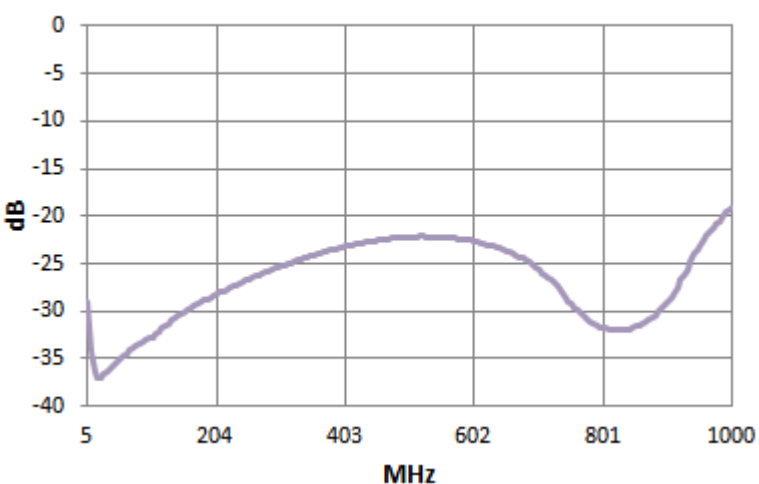
Isolation 1-2



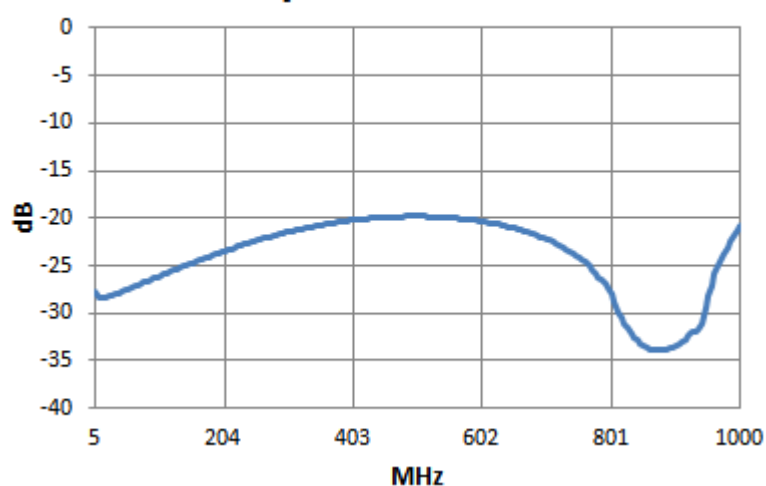
Isolation 2-3



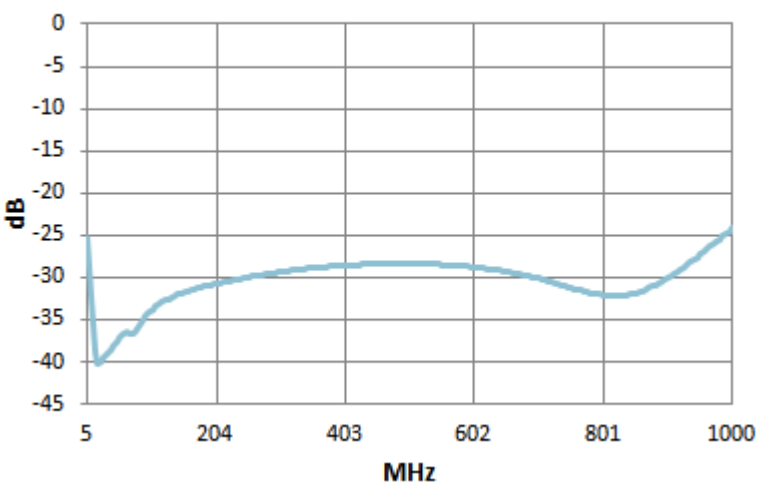
Isolation 3-4



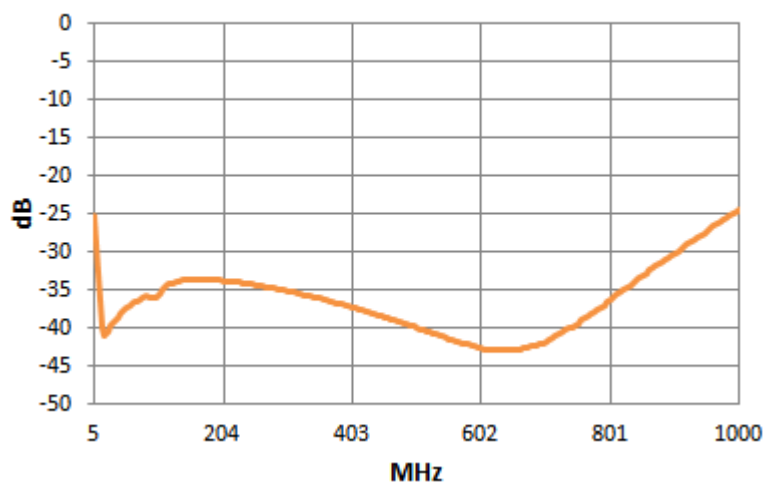
Input Return Loss



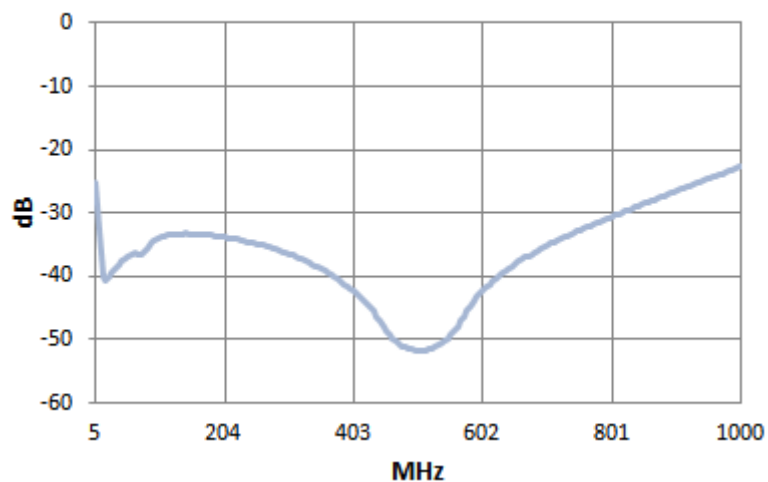
Output1 port1



Output2 port2



Output3 port3



Output4 port4

