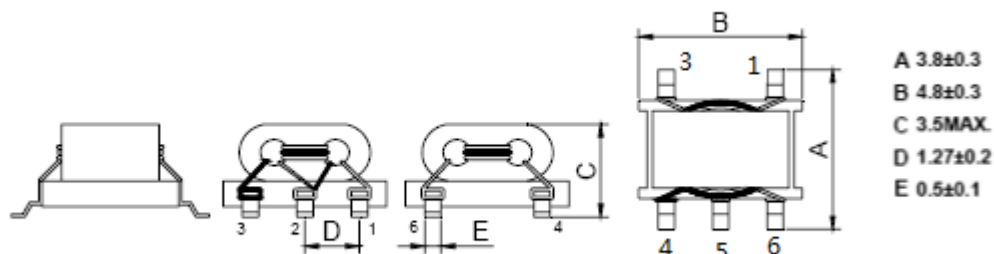


Outline drawing

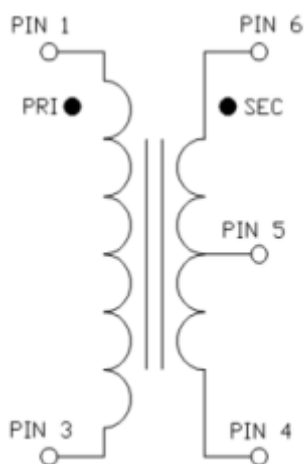
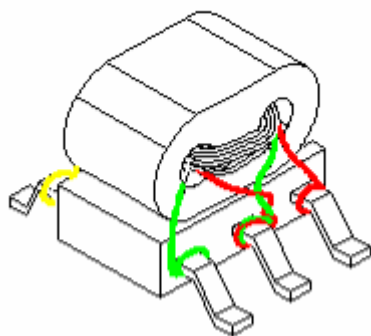
Feature:

2:1 Impedance

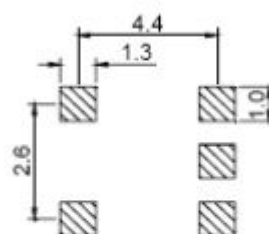
- SMT part
- Lead free solder
- RoHS*



*Dimension does not including soldering tags



SCHEMATIC



suggest pcb layout

PIN CONFIGURATION

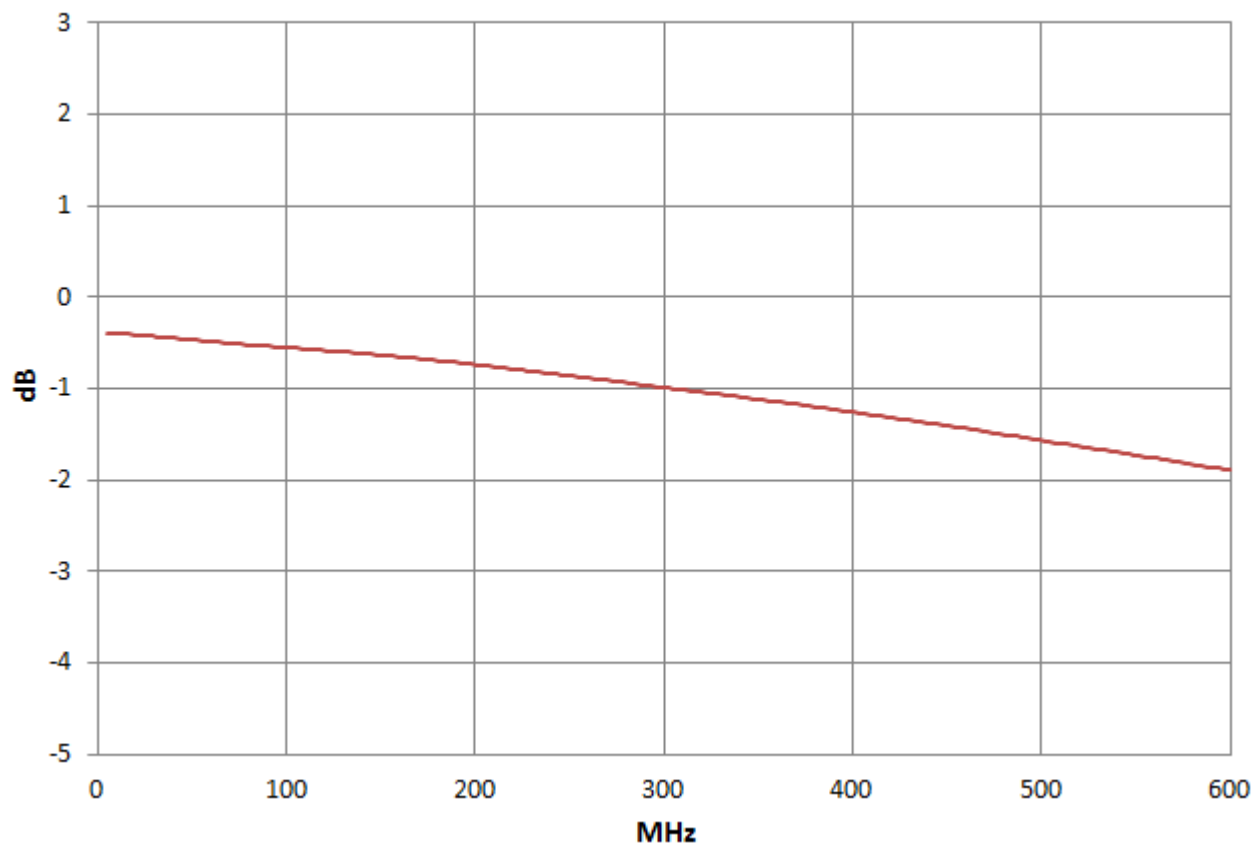
Pin No.	Function
1	Primary Dot
3	Primary
4	Secondary
5	Secondary Centre Tap
6	Secondary Dot

Electrical Specifications: Freq. = 5 - 300 MHz, $T_A = 25^\circ\text{C}$, $Z_0 = 75 \Omega$, $P_{IN} = 0 \text{ dBm}$

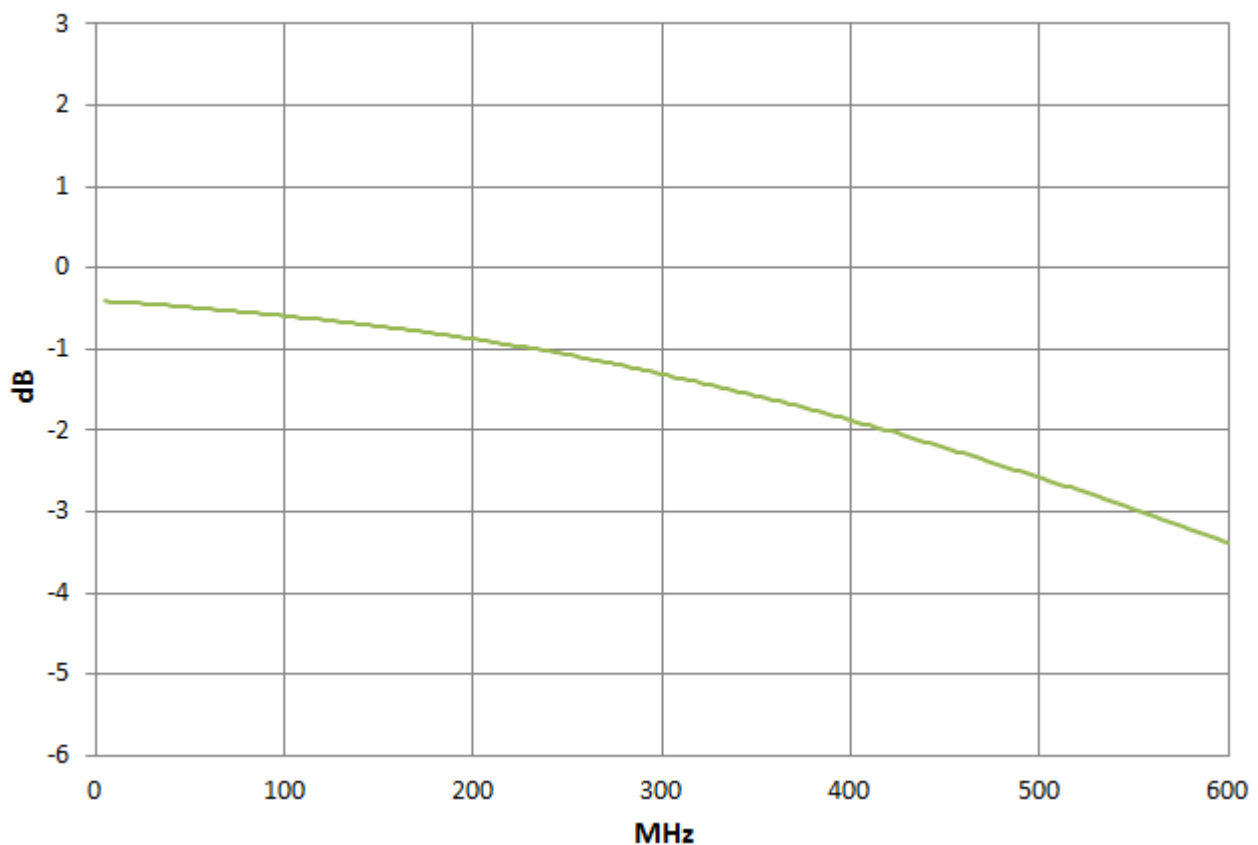
Parameter	Conditions	Units	Min.	Typ.	Max.
Impedance Ratio	—	—	—	2:1	—
Insertion Loss (Pin 1 - Pin 6)	5 - 50 MHz	dB	—	0.4	0.6
	50 - 85 MHz			0.5	0.7
	85 - 205 MHz			0.8	1.5
	205 - 300 MHz			1.3	2.2
Insertion Loss (Pin 1 - Pin 4)	5 - 50 MHz	dB	—	0.4	0.6
	50 - 85 MHz			0.5	0.7
	85 - 205 MHz			0.7	1.4
	205 - 300 MHz			1.2	2.0
Amplitude Balance	5 - 50 MHz	dB	—	0.02	0.2
	50 - 85 MHz			0.04	0.3
	85 - 205 MHz			0.04	0.5
	205 - 300 MHz			0.1	0.7
Phase Balance	5 - 50 MHz	°	—	0.1	2.0
	50 - 85 MHz			0.3	3.0
	85 - 205 MHz			1.1	6.0
	205 - 300 MHz			1.2	7.0
Input Return Loss (Pin 1)	5 - 45 MHz	dB	20	25	—
	45 - 85 MHz		15	19	
	85 - 205 MHz		8	13	
	205 - 300 MHz		6	9	

performance.

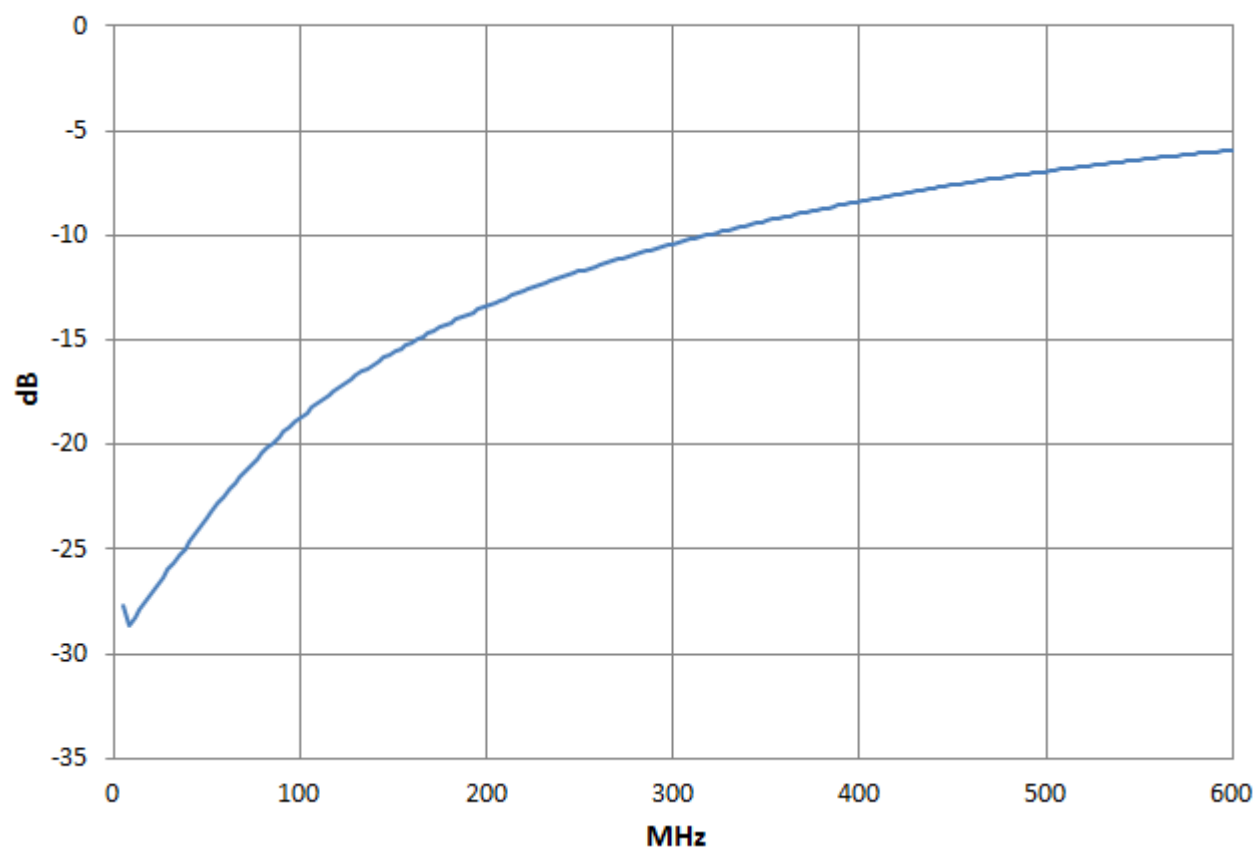
Insertion Loss 1-4



Insertion Loss 1-6



Input Return Loss



Phase

