

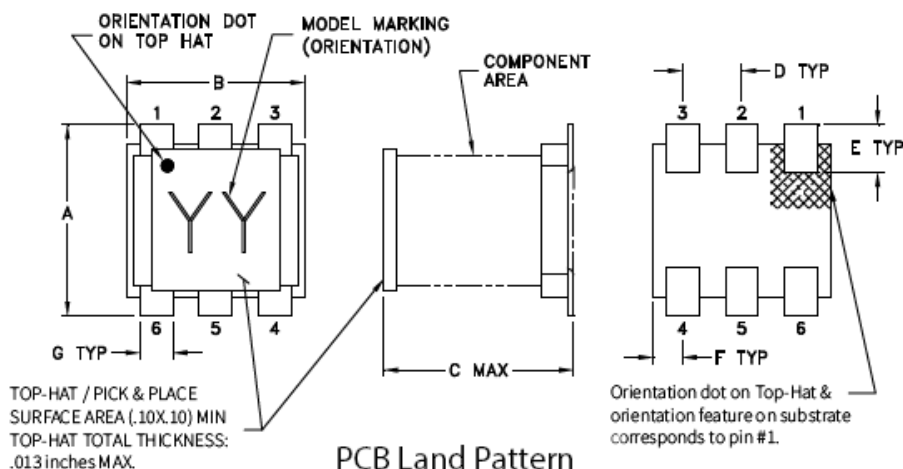
Feature:

17db coupler

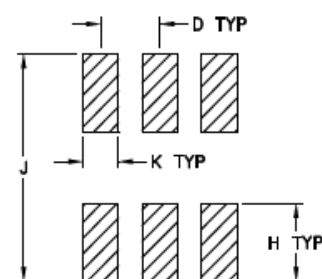
- Surface mount
- 260°C reflow compatible
- RoHS* compliant and lead free
- welding connect



Outline drawing

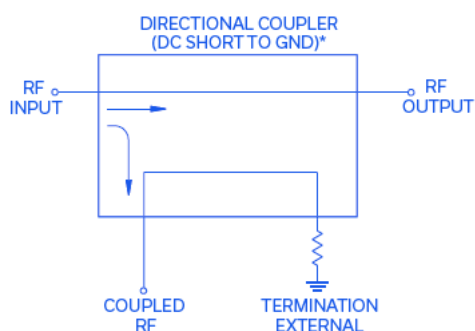


PCB Land Pattern



SUGGESTED LAYOUT
TOLERANCE TO BE WITHIN ± 0.002

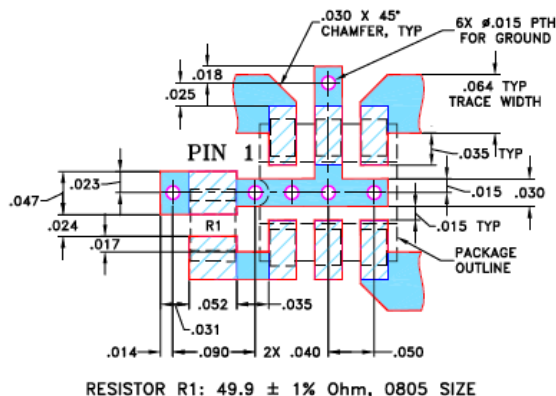
SCHEMATIC

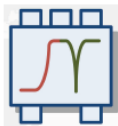


OUTLINE DIMENSIONS (Inches mm)

A	B	C	D	E	F
.160	.150	.160	.050	.040	.025
4.06	3.81	4.06	1.27	1.02	0.64
G	H	J	K		wt
.028	.065	.190	.030		grams
0.71	1.65	4.83	0.76		0.15

SUGGESTED PCB LAYOUT

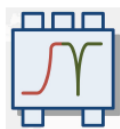




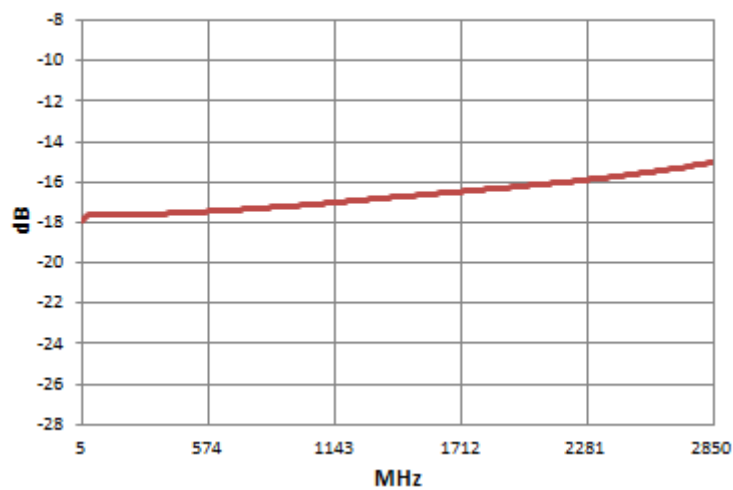
PIN CONFIGURATION

PIN	FUNCTION
3	Input
2	Ground
1	Coupled
6	50Ω Term External
5	Not Used
4	Output

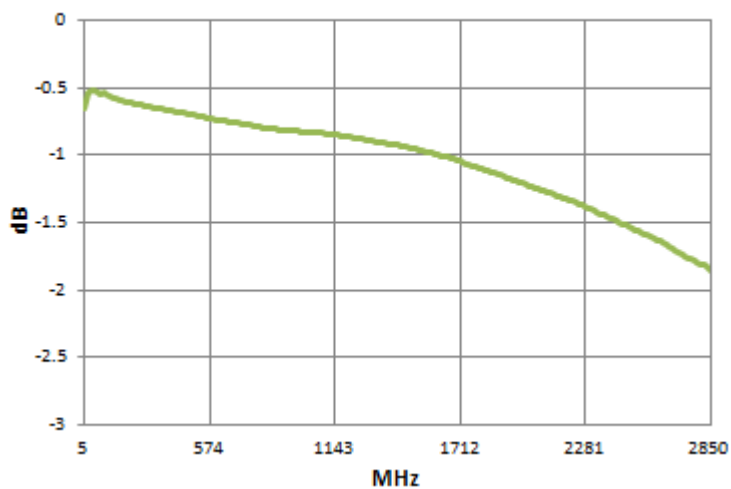
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	5-2850MHz	dB	---	17.0±1	---
Flatness	5-950MHz	dB	---	±0.3	±0.6
	950-2850MHz	dB	---	±1.2	±1.5
Mainline Loss	5MHz	dB	---	0.7	1.3
	950MHz	dB	---	0.7	1.1
	2850MHz	dB	---	1.9	2.4
Input return loss	5MHz	dB	---	20	---
	950MHz	dB	---	17	---
	2850MHz	dB	---	14	---
Output return loss	5MHz	dB	---	22	---
	950MHz	dB	---	18	---
	2850MHz	dB	---	14	---
Coupling Return Loss	5MHz	dB	---	20	---
	950MHz	dB	---	16	---
	2850MHz	dB	---	15	---
Directivity	5-100MHz	dB	18	25	---
	100-950MHz	dB	13	20	---
	950-2850MHz	dB	6	10	---
RF Power Rating (max)		1W			
DC Current (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		50OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-55°C to +100°C			



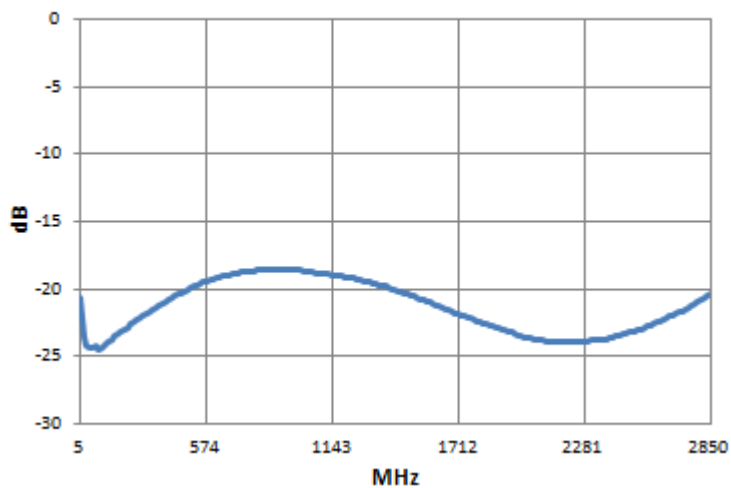
Coupling



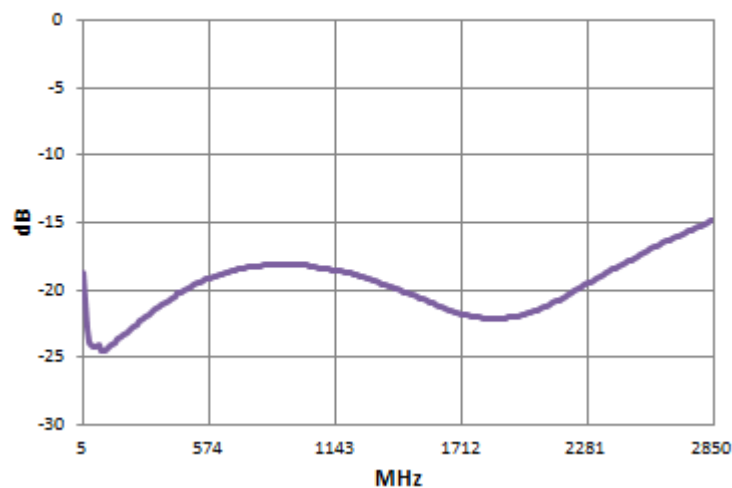
Mainline Loss



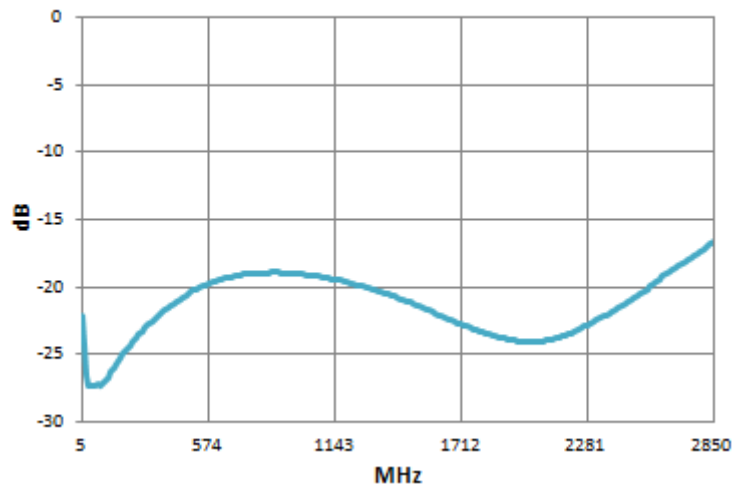
Input Return Loss



Coupling Return Loss



Output Return Loss



Directivity

