

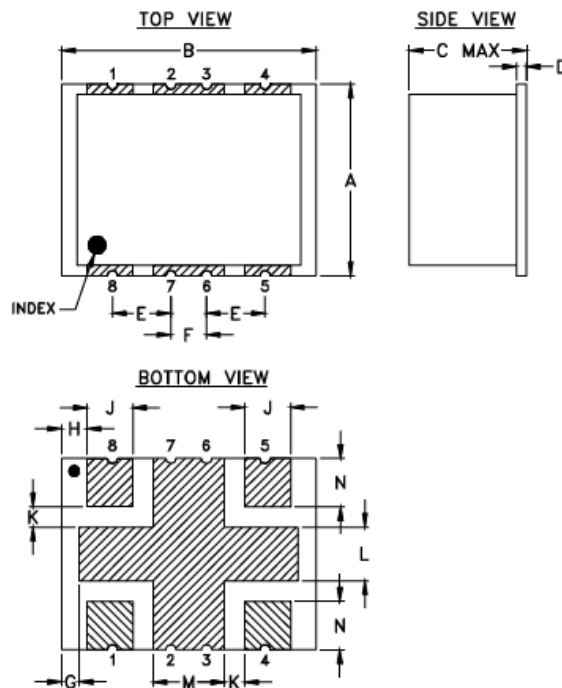


OUTLINE DRAWING

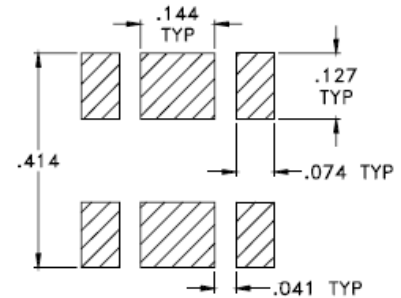
Feature:

18db coupler

- Surface mount
- Packaging 900pcs per reel.
- 260°C reflow compatible
- RoHS* compliant and lead free
- welding connect
- 50Ω systems



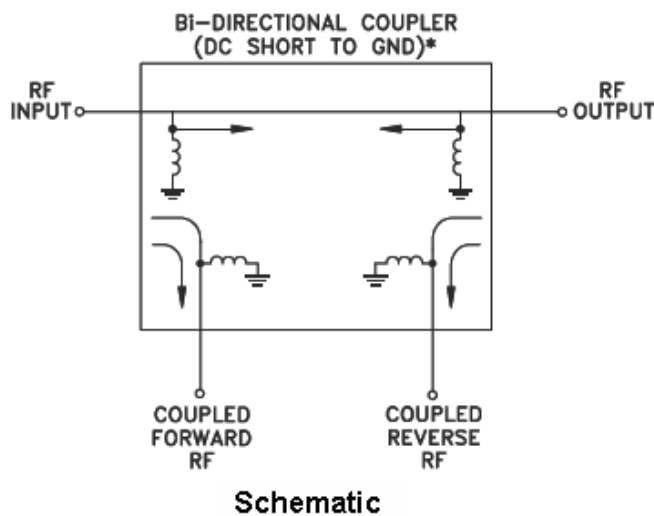
PCB Land Pattern



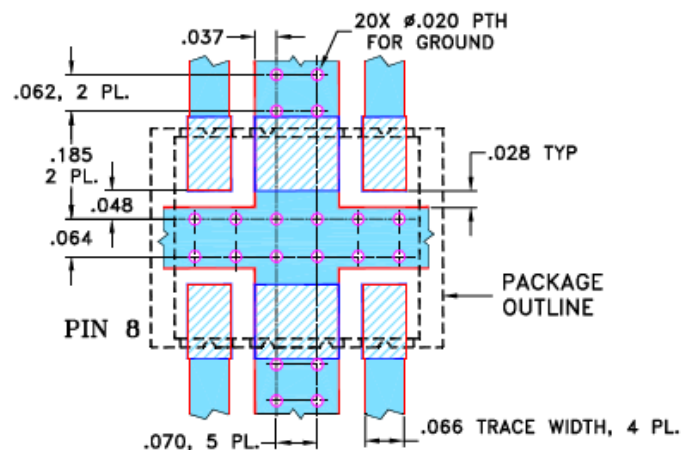
Suggested Layout,
Tolerance to be within ± 0.002

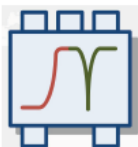
OUTLINE DIMENSIONS (Inches) mm

A	B	C	D	E	F	G
.38	.50	.25	.020	.115	.070	.035
9.65	12.70	6.35	0.51	2.92	1.78	0.89
H	J	K	L	M	N	wt
.050	.090	.040	.105	.140	.095	grams
1.27	2.29	1.02	2.67	3.56	2.41	0.80



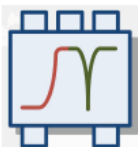
SUGGESTED PCB LAYOUT



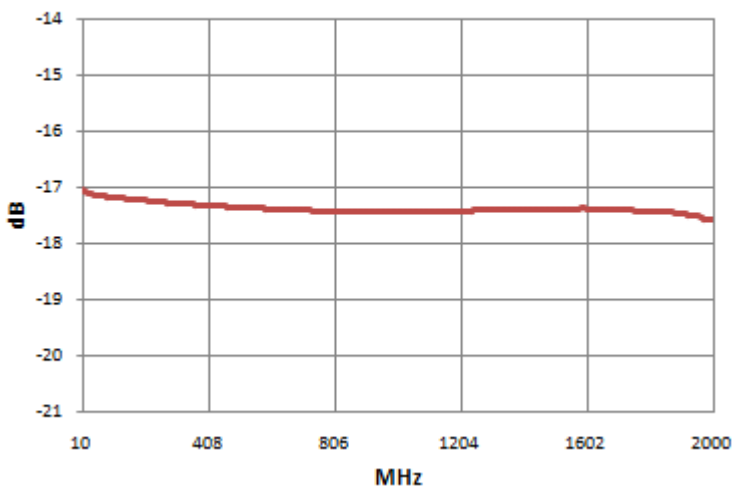
**PIN CONFIGURATION**

PIN	FUNCTION
8	Input
1	Output
5	Coupled(Forward)
4	Coupled(Reverse)
2,3,6,7	Ground

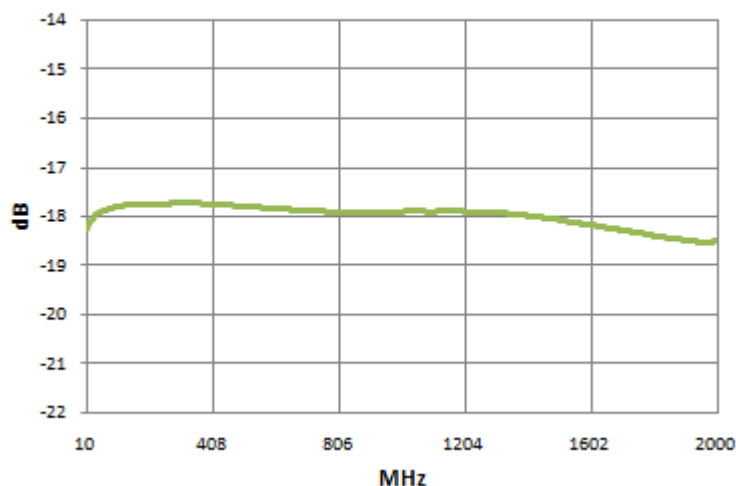
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	10-2000MHz	dB	17	17.8	18.6
Coupling Flatness(±)	10-300MHz	dB	----	0.2	0.4
	300-1000MHz	dB	----	0.3	5
	1000-2000MHz	dB	----	0.4	0.9
Mainline Loss	10-30MHz	dB	----	0.7	1.0
	30-1000MHz	dB	----	0.9	0.9
	1000-2000MHz	dB	----	1.0	1.5
Input return loss	10-30MHz	dB	----	18	---
	30-1000MHz	dB	----	21	---
	1000-2000MHz	dB	----	14	---
Output return loss	10-30MHz	dB	----	18	---
	30-1000MHz	dB	----	22	---
	1000-2000MHz	dB	----	16	---
Coupling Return Loss	10-30MHz	dB	----	18	---
	30-1000MHz	dB	----	21	---
	1000-2000MHz	dB	----	16	---
Directivity	10-30MHz	dB	14	17	---
	30-1000MHz	dB	18	21	---
	1000-2000MHz	dB	14	20	---
RF Power Rating (max)		2W			
DC Current Rating (max)		800mA			
Test Impedance (50Ω,75Ω, etc.)		50OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-55C to +100			



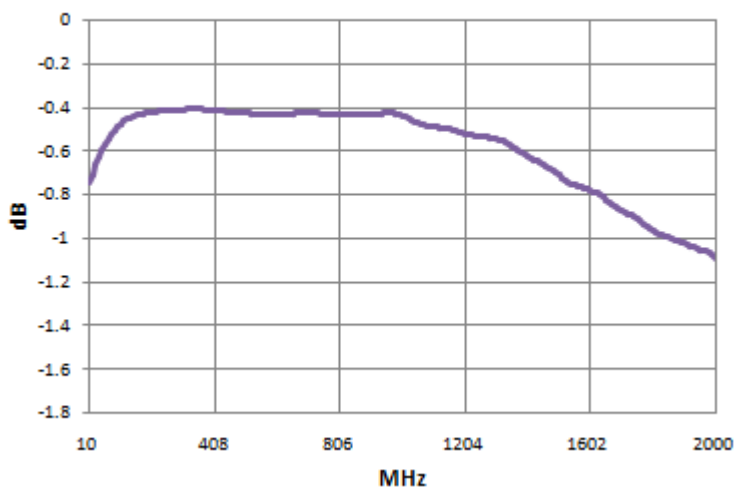
Coupling(In-Cpl Fwd)



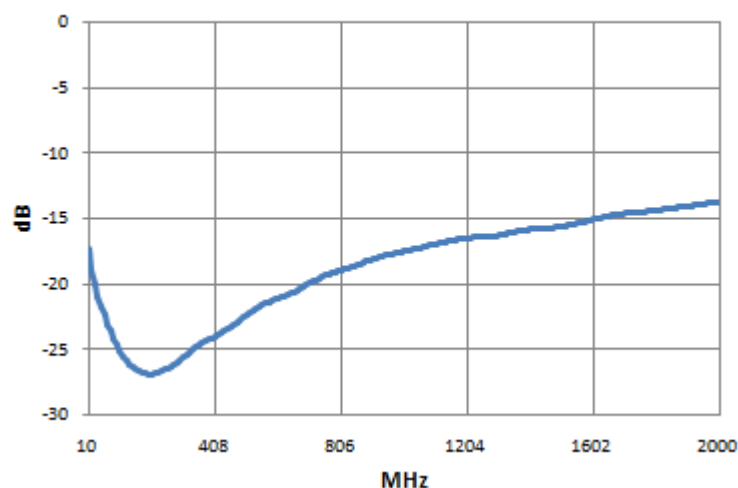
Coupling(Out-Cpl Rev)



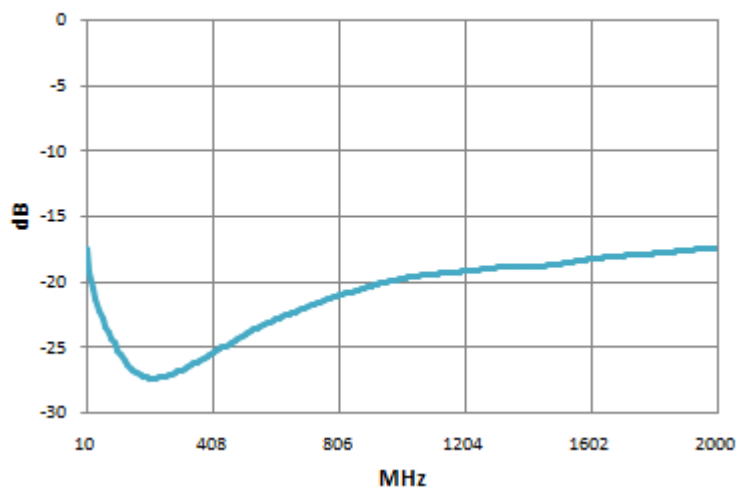
MainLine Loss(In-Out)



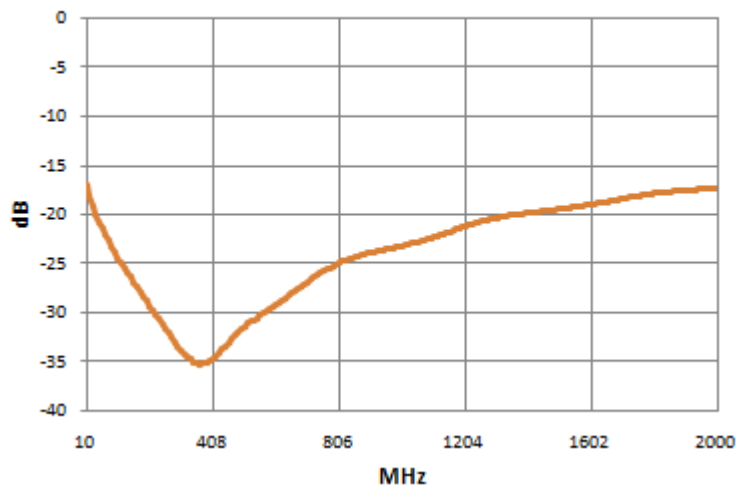
Inpu Return Loss

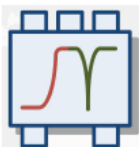


Return Loss(Cpl Fwd)

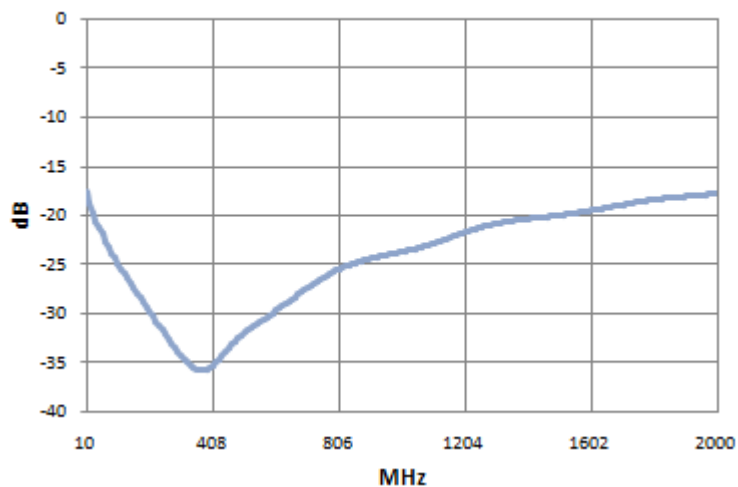


Return Loss(Cpl Rev)

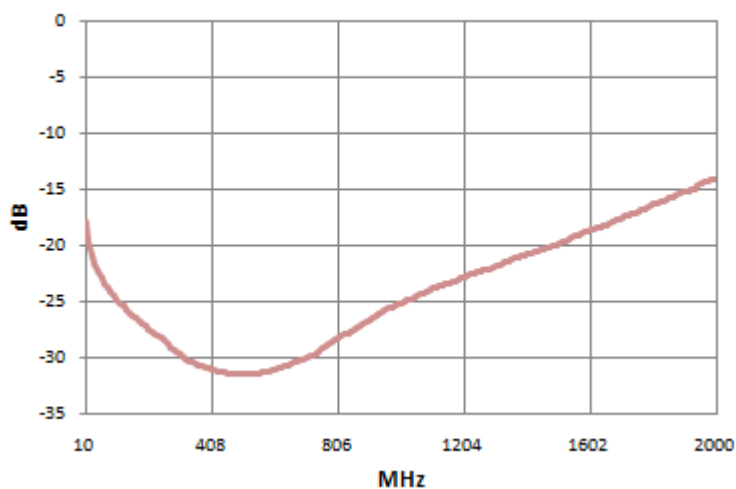




Return Loss(Output)



Directivity(Out-Cpl Fwd)



Directivity(In-Cpl Rev)

