



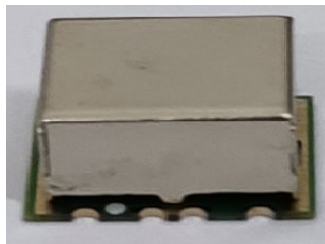
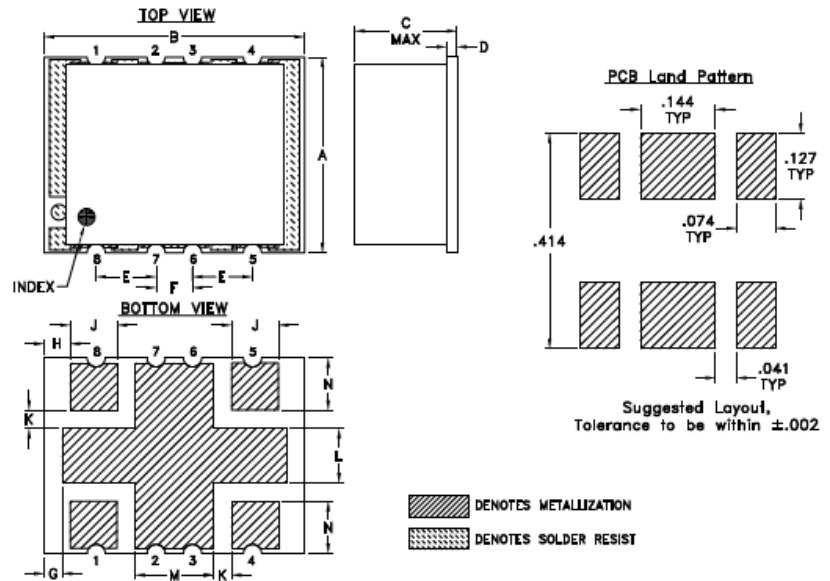
OUTLINE DRAWING

FEATURES

- .High power handling,20W
- .Multi-octave bandwidth
- .Very low mainline loss 0.5dB
- .Excellent VSWR,1.10:1

APPLICATIONS

- .VHF/UHF
- .Signal monitoring
- .Communications
- .Military mobile

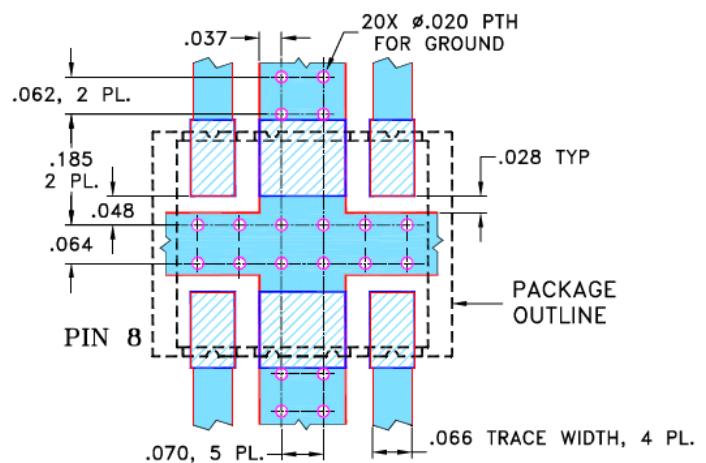
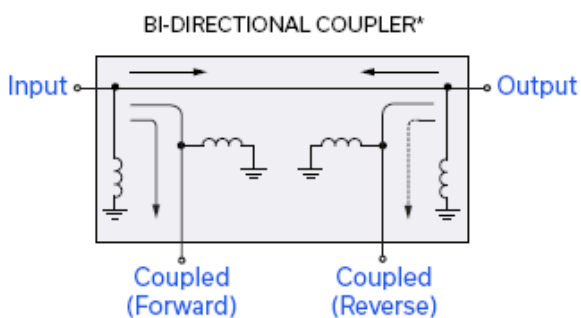


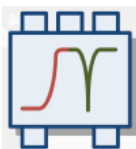
OUTLINE DIMENSIONS (Inches/mm)

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

SUGGESTED PCB LAYOUT

ELECTRICAL SCHEMATIC

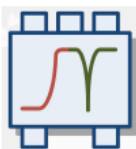




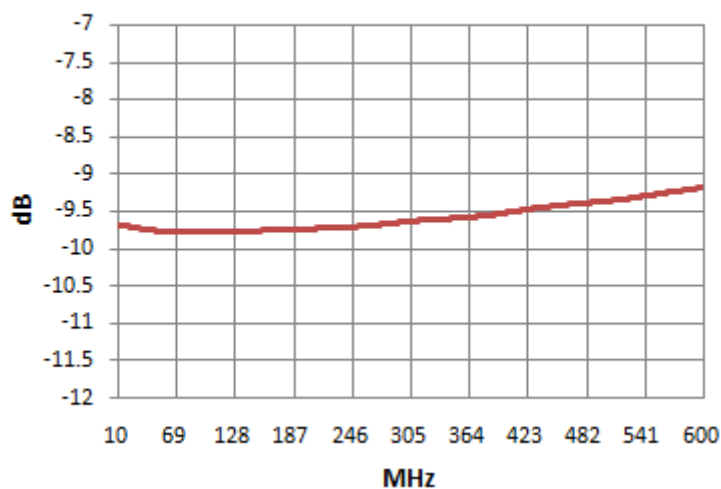
PIN CONFIGURATION

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

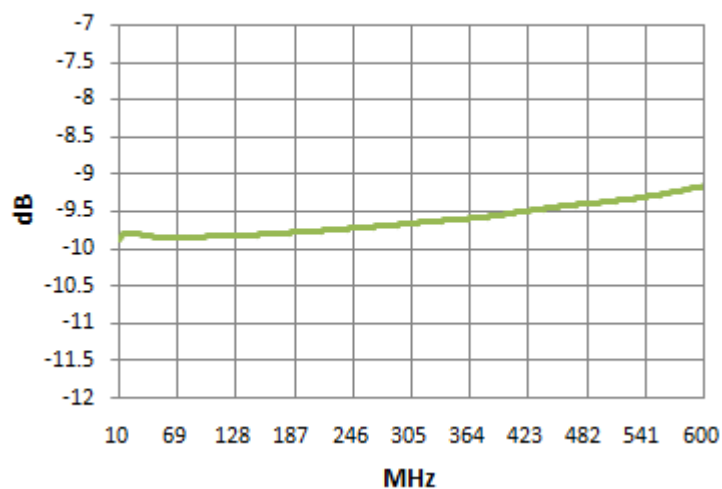
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	10MHz	dB	9.2	9.7	10.2
	50MHz	dB	9.3	9.8	10.5
	340MHz	dB	9.2	9.7	10.2
	600MHz	dB	8.6	9.4	10.4
Coupling Flatness(±)	10-340MHz	dB	----	0.2	0.4
	340-600MHz	dB	----	0.3	0.5
Mainline Loss	10MHz	dB	----	0.2	0.8
	50MHz	dB	----	0.2	0.6
	340MHz	dB	----	0.3	0.7
	600MHz	dB	----	0.5	0.9
Return Loss(Input)	10MHz	dB	12	15	----
	50MHz	dB	20	23	----
	340MHz	dB	19	26	----
	600MHz	dB	13	17	----
Return Loss(Output)	10MHz	dB	12	15	
	50MHz	dB	20	26	
	340MHz	dB	19	28	
	600MHz	dB	15	19	
Return Loss(Coupling)	10MHz	dB	12	15	
	50MHz	dB	20	23	
	340MHz	dB	19	27	
	600MHz	dB	15	30	
Directivity	10MHz	dB	15	21	---
	50MHz	dB	18	22.8	---
	340MHz	dB	16	24.5	---
	600MHz	dB	14	25.6	---
Input Power	10-600MHz	W	---	20	W
Operating Temperature		-40°C to +65°C Case*			
Storage Temperature		-55C to +100			



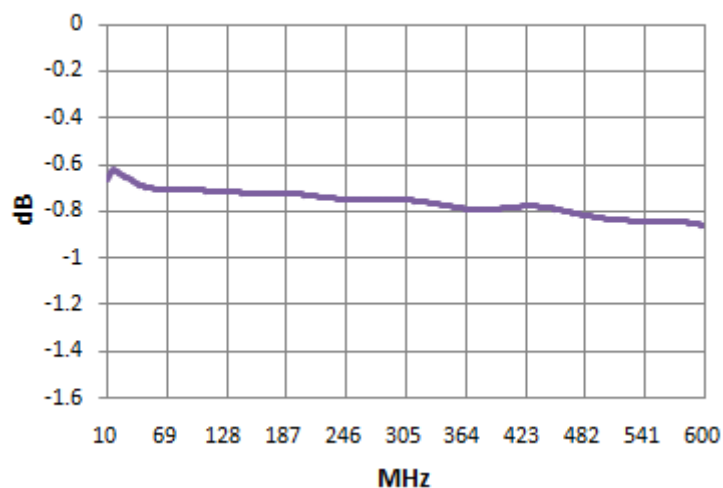
Coupling(In-Cpl Fwd)



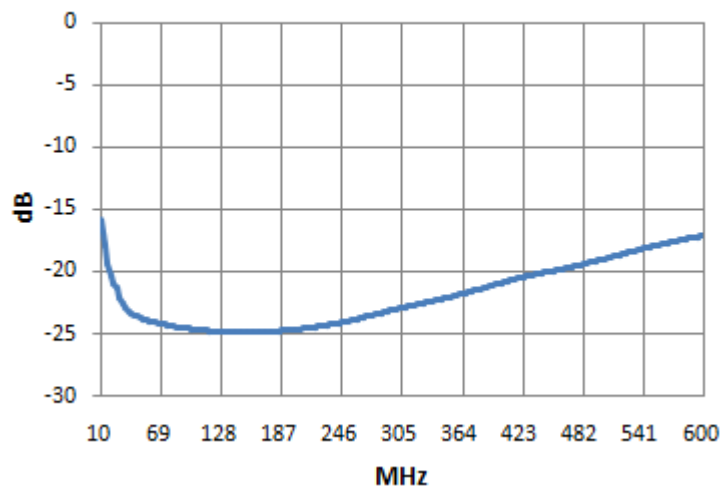
Coupling(Out-Cpl Rev)



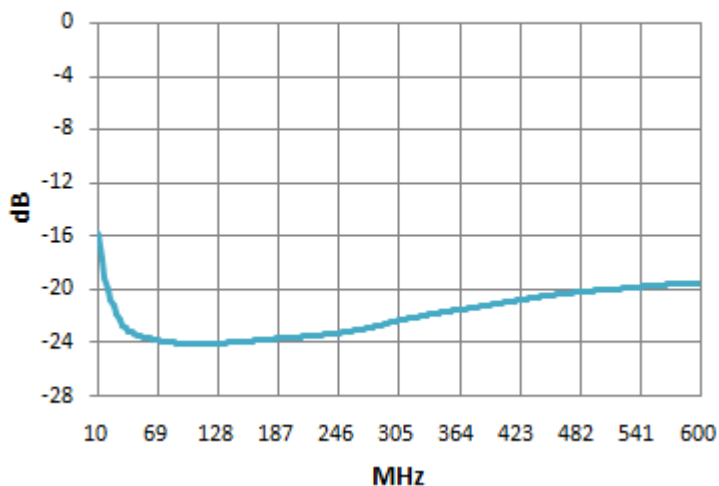
MainLine Loss(In-Out)



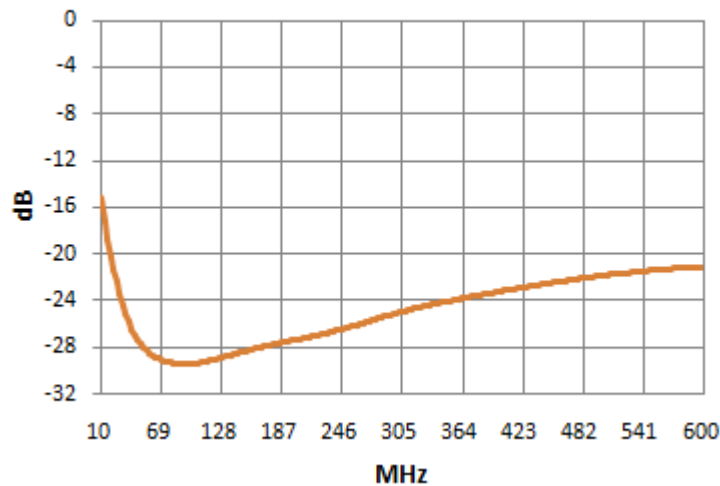
Return Loss(Inpu)

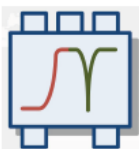


Return Loss(Cpl Fwd)

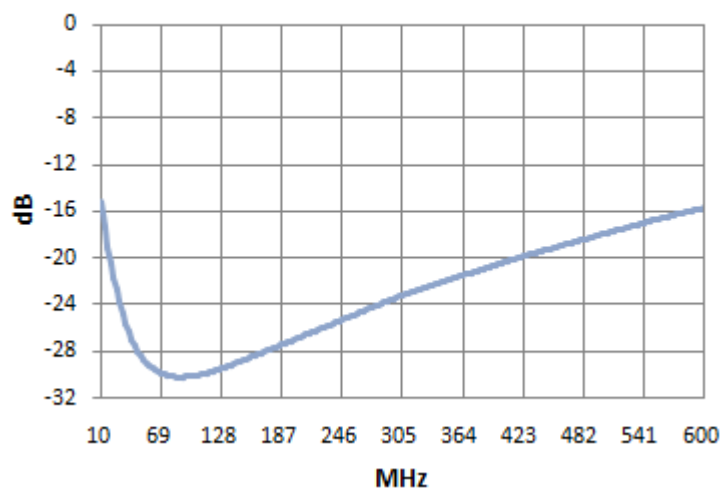


Return Loss(Cpl Rev)

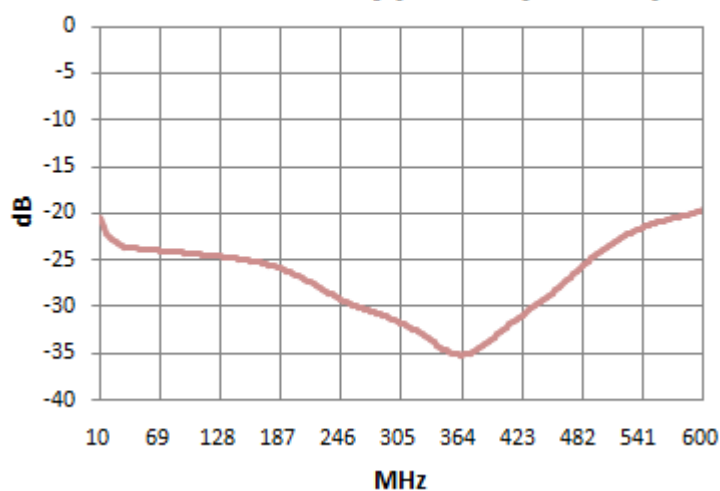




Return Loss(Output)



Directivity(Out-Cpl Fwd)



Directivity(In-Cpl)

