

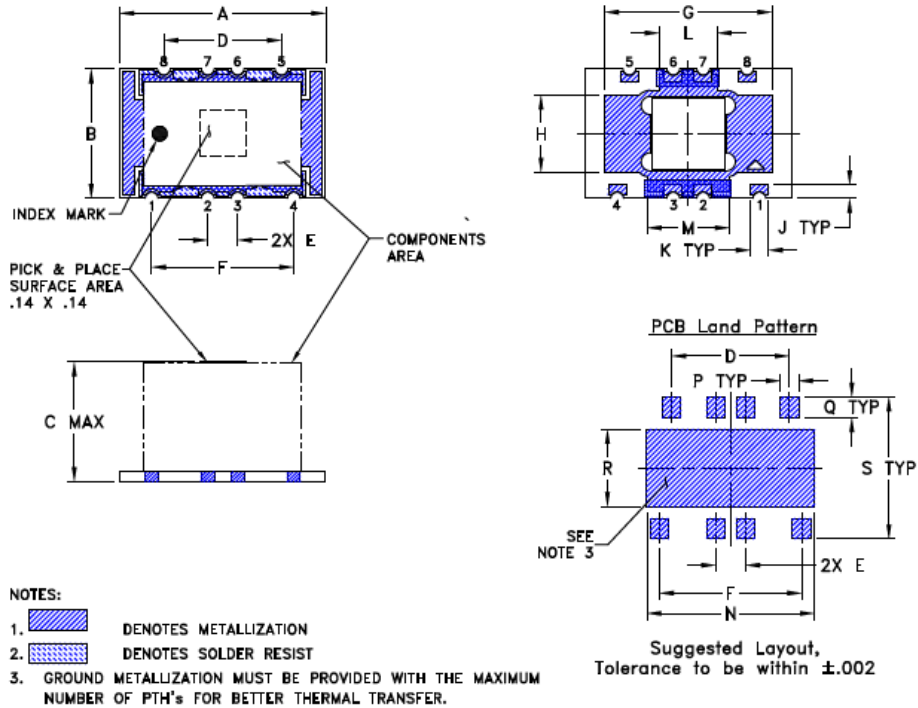
### Outline drawing

### THE BIG DEAL

- High power handling, up to 80W
- Low mainline loss, 0.15 dB typ.
- High directivity, 20 dB typ.
- Excellent VSWR, 1.12:1 typ.

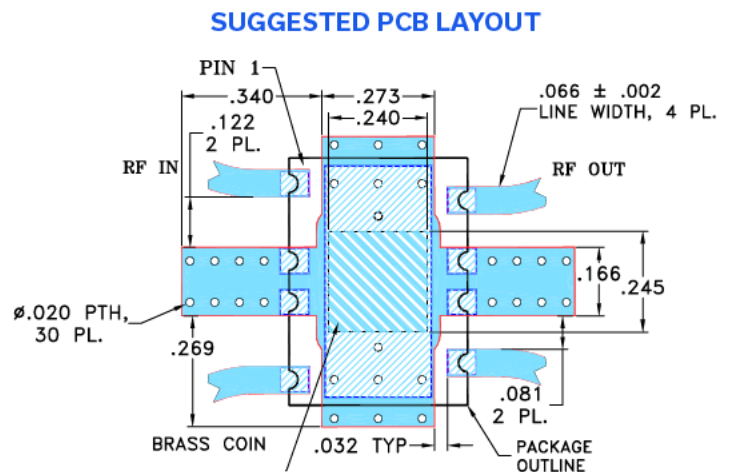
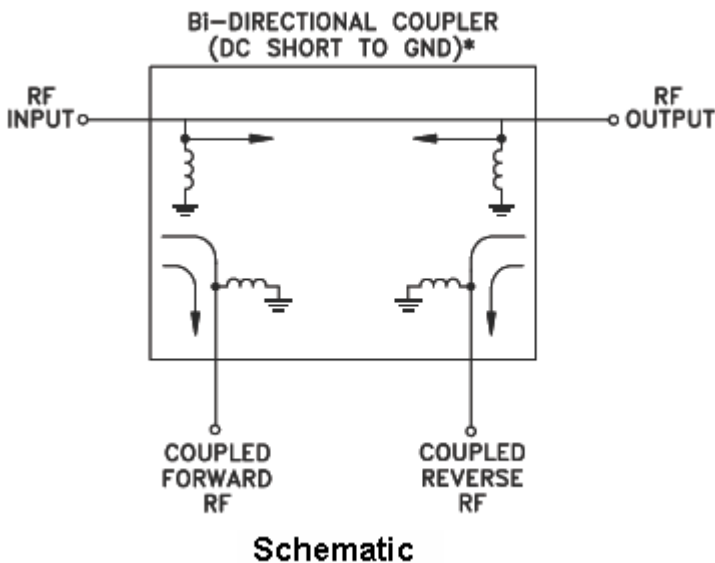
### APPLICATIONS

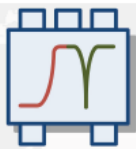
- Military mobile
- Signal monitoring



### OUTLINE DIMENSIONS (Inches/mm)

A	B	C	D	E	F	G	H	J
.690	.433	.400	.394	.100	.476	.560	.257	.045
17.53	11.00	10.16	10.01	2.54	12.09	14.22	6.53	1.14
K	L	M	N	P	Q	R	S	wt
.060	.194	.276	.561	.061	.069	.258	.475	grams
1.52	4.93	7.01	14.25	1.55	1.75	6.55	12.07	3.40

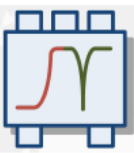




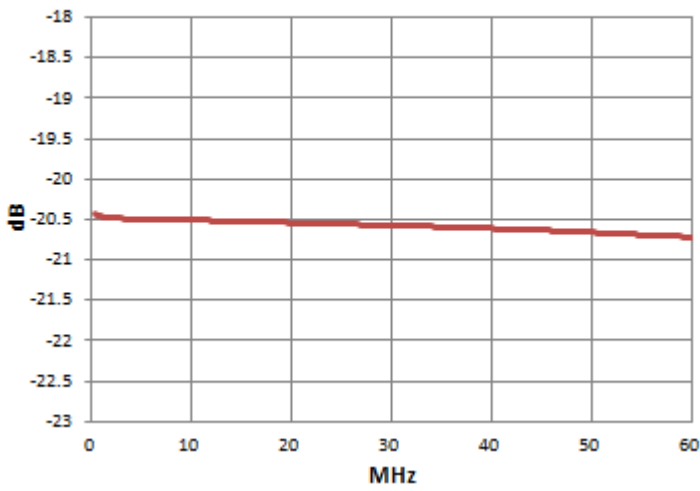
## PIN CONFIGURATION

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

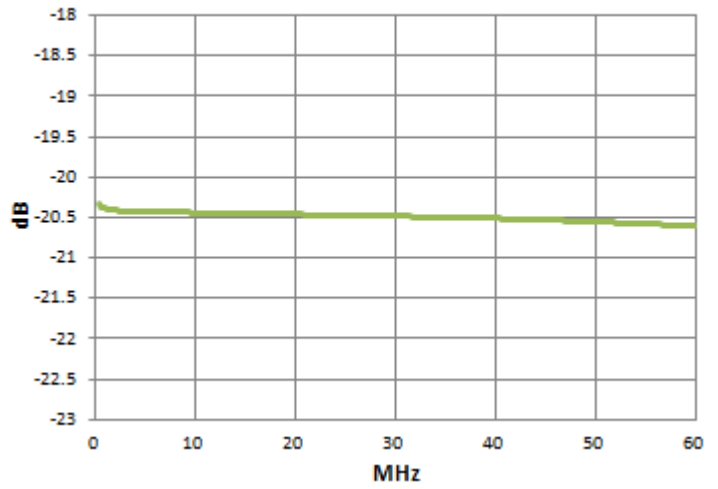
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
<b>Coupling</b>	0.2-60MHz	dB	19.5	20.5	21.5
<b>Coupling Flatness(±)</b>	0.2-60MHz	dB	----	0.05	0.2
<b>Mainline Loss</b> (above theoretical 0.044)	1-30MHz	dB	----	0.08	0.25
	0.2-60MHz	dB	----	0.10	0.30
<b>Input return loss</b>	0.2-60MHz	dB	18	25	---
<b>Output return loss</b>	0.2-60MHz	dB	18	25	---
<b>Coupling Return Loss</b>	0.2-60MHz	dB	18	24	---
<b>Directivity</b>	1-30MHz	dB	20	25	---
	0.2-60MHz	dB	15	22	---
<b>Input Power</b>	0.2-60MHz	w	---	---	80W
<b>Operating Temperature</b>	-40°C to +65°C Case*				
<b>Storage Temperature</b>	-55C to +100				



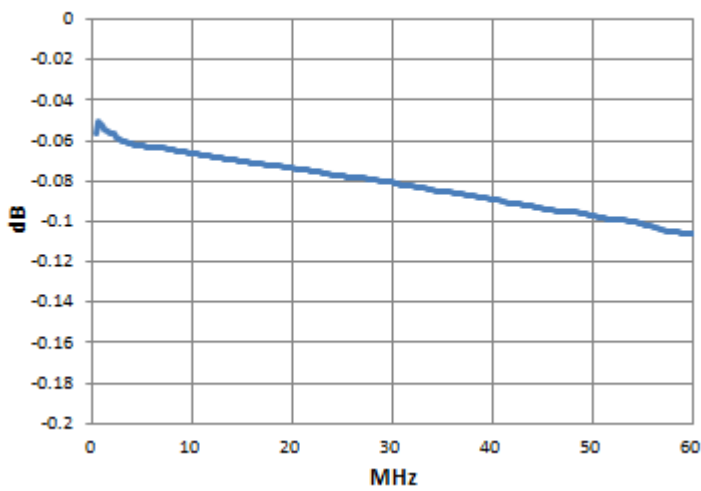
### Coupling In\_Cpl Fwd



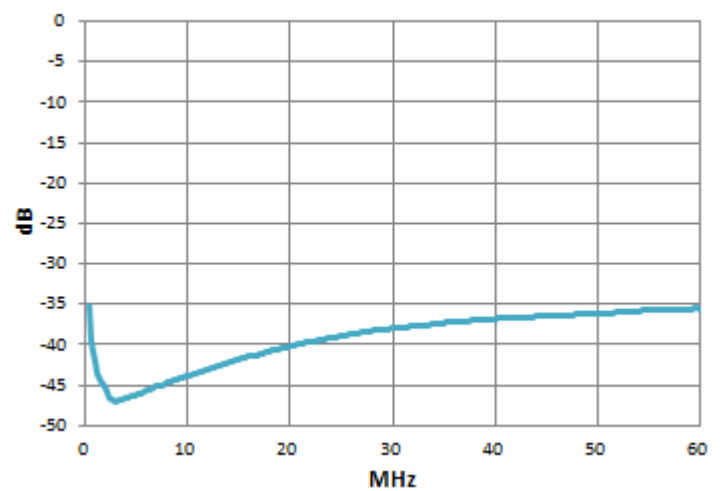
### Coupling Out\_Cpl Rev



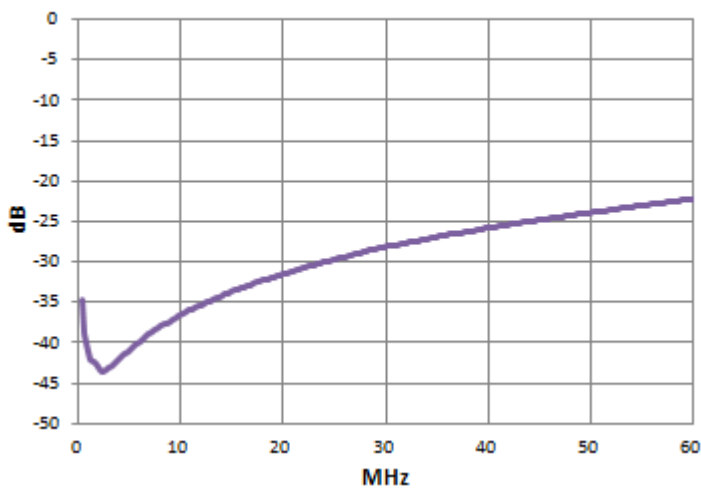
### Mainline Loss In\_Out



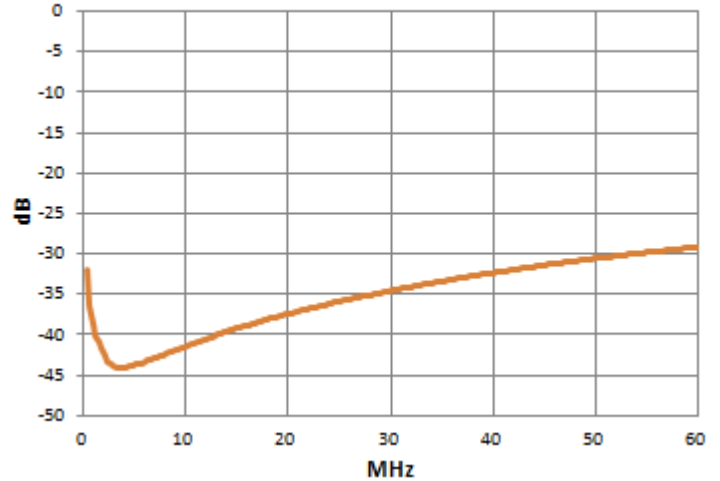
### Directivity In\_Cpl Rev

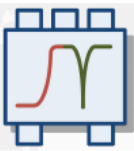


### Directivity Out\_Cpl Fwd

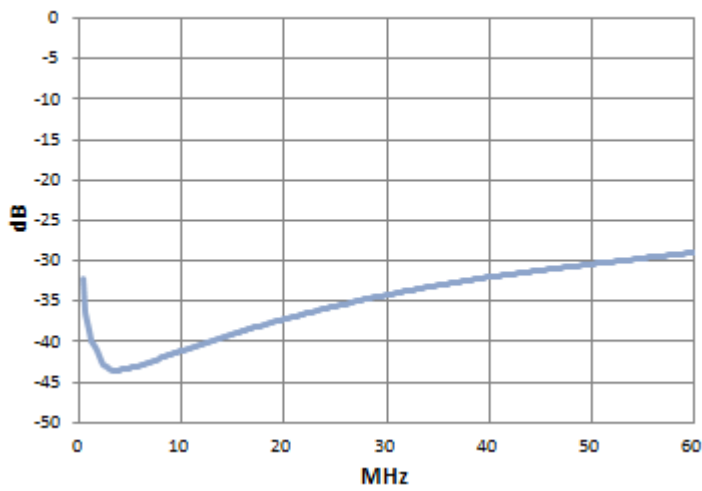


### Return Loss In

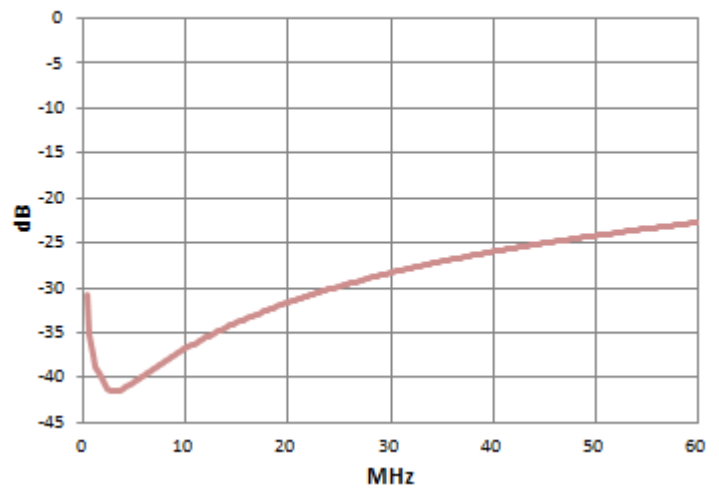




### Return Loss Out



### Return Loss Cpl Fwd



### Return Loss Cpl Rev

