

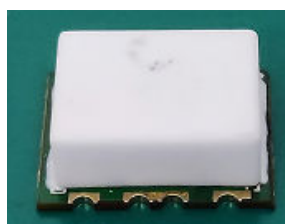
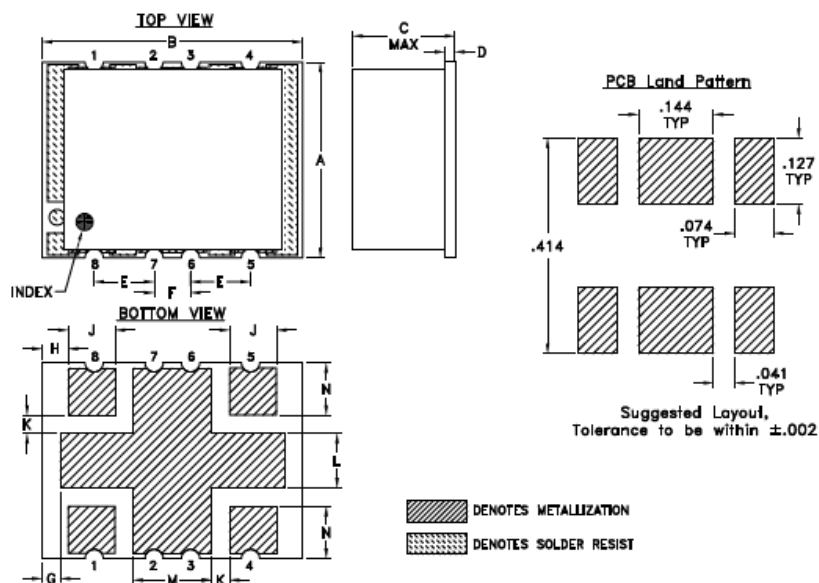
OUTLINE DRAWING

FEATURES

- .Wideband, 30-3000 MHz
- .Low mainline loss, 1.6 dB typ.
- .Excellent VSWR, 1.15:1 typ; all ports.
- .Good flatness, ± 0.6 dB typ.

APPLICATIONS

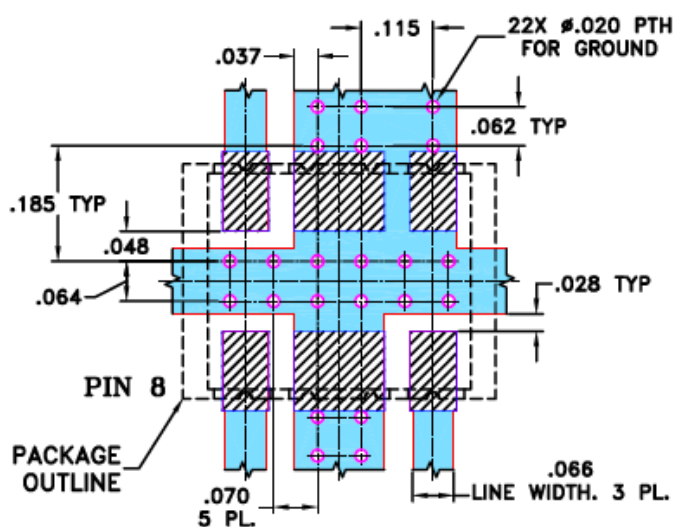
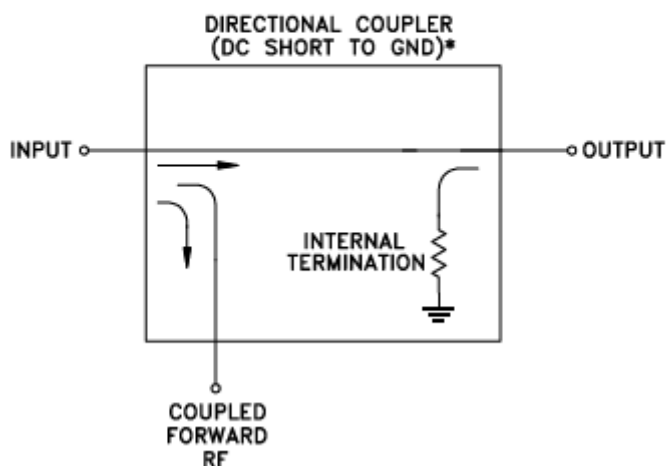
- .VHF/UHF receivers/transmitters
- .ISM
- .GPS
- .Instrumentation

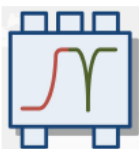


OUTLINE DIMENSIONS (Inches/mm)

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		

SCHEMATIC

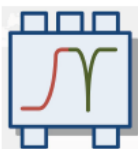




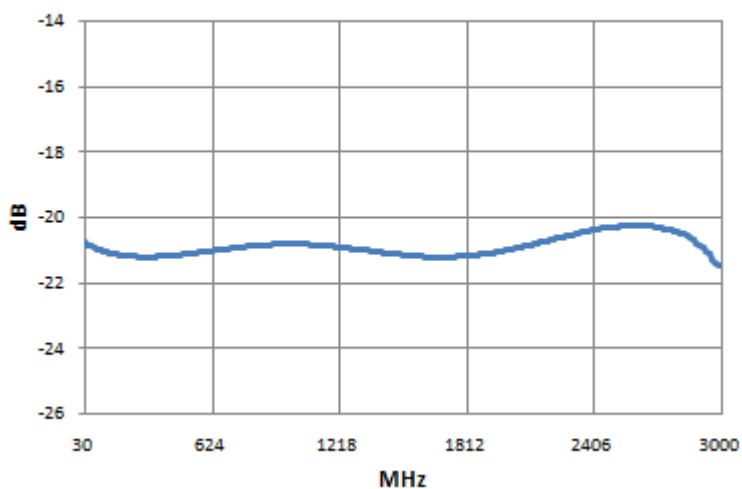
PIN CONFIGURATION

PIN	FUNCTION
8	Input
1	Output
5	Coupled
2,3,4,6,7	Ground

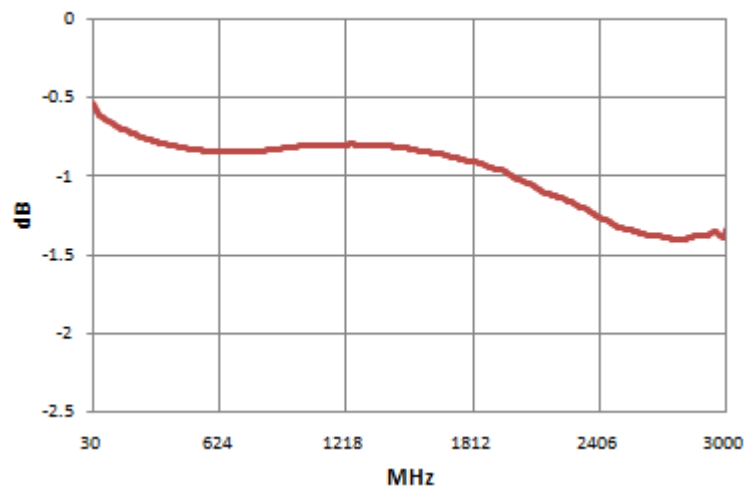
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	30-3000MHz	dB	----	20.8±0.8	----
	800-1000MHz	dB	----	21.5±0.5	----
	1700-2000MHz	dB	----	21.1±0.6	----
	2300-2700MHz	dB	----	20.8±0.7	----
Coupling Flatness(±)	30-3000MHz	dB	----	1.4	----
	800-1000MHz	dB	----	0.3	----
	1700-2000MHz	dB	----	0.5	----
	2300-2700MHz	dB	----	0.5	----
Mainline Loss	30-3000MHz	dB	----	1.6	2.5
	800-1000MHz	dB	----	1.1	1.5
	1700-2000MHz	dB	----	1.3	1.8
	2300-2700MHz	dB	----	1.5	2.1
VSWR	30-3000MHz	:1	----	1.20	----
	800-1000MHz	:1	----	1.10	----
	1700-2000MHz	:1	----	1.15	----
	2300-2700MHz	:1	----	1.20	----
Directivity	30-3000MHz	dB	9	15	---
	800-1000MHz	dB	14	17	---
	1700-2000MHz	dB	15	20	---
	2300-2700MHz	dB	11	16	---
Input Power	30-3000MHz	W	---	---	1W
Operating Temperature		-40°C to +65°C Case*			
Storage Temperature		-55C to +100			



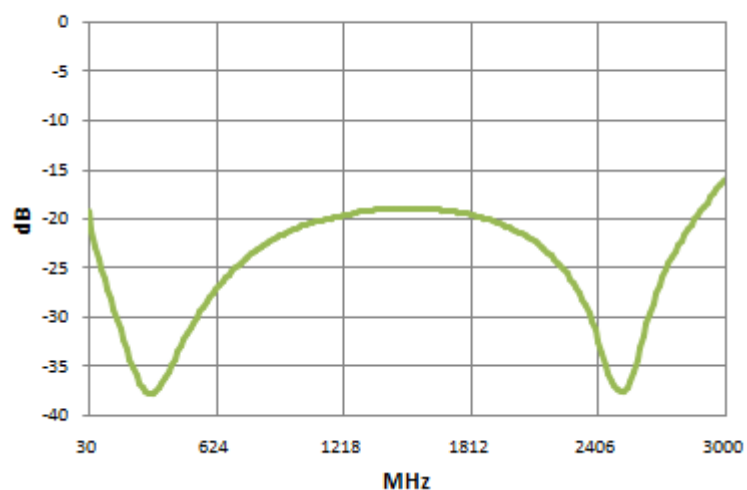
Coupling



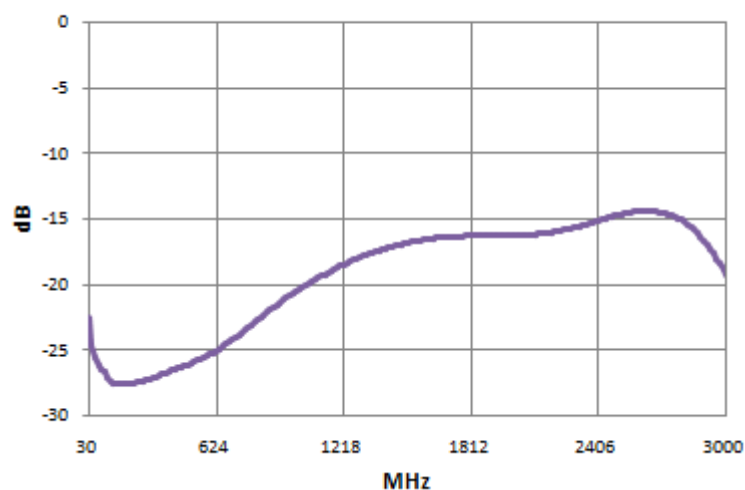
Mainline Loss



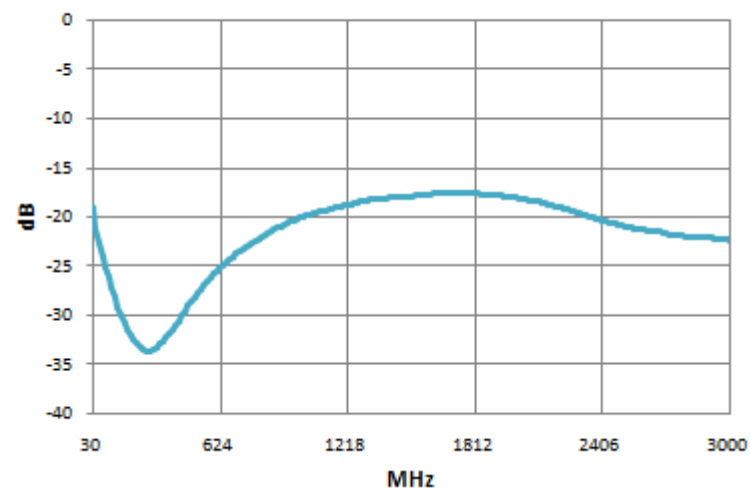
Input Return Loss



Coupling Return Loss



Output Return Loss



Directivity

