

Features

- Low insertion loss
- Good matching
- Small size (0.25" X 0.25" X 0.10")

Applications

- Defence system
- Public safety services
- Private and public mobile

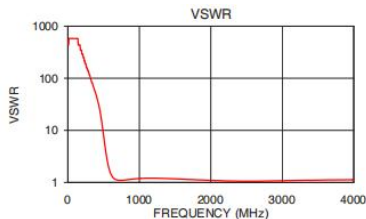
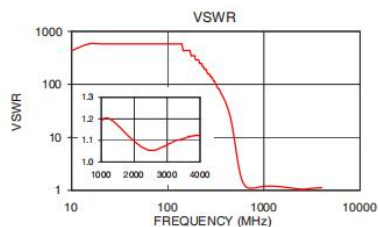
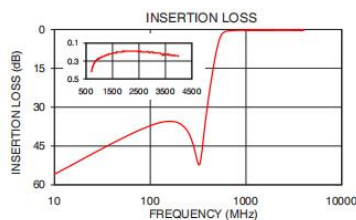
Electrical Specifications at 25°C

Parameter		F#	Frequency(MHz)	Min.	Typ.	Max.	Unit
Stop Band	Rejection Loss	DC-F1	DC-395	20	30	-	dB
	VSWR	DC-F1	DC-395	-	20	-	:1
Pass Band	Insertion Loss	F2-F3	700-4000	-	0.5	2.0	dB
	VSWR	F2-F3	700-4000	-	1.2	1.92	:1

Typical Performance Data

(TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	55.89	434.30
75	39.09	579.06
100	37.17	579.06
250	39.85	193.02
390	31.23	51.10
395	29.71	48.26
400	28.26	45.72
430	20.46	31.60
450	15.98	23.18
470	12.01	15.67
500	7.05	7.87
530	3.64	3.90
570	1.47	1.97
600	0.88	1.47
700	0.42	1.10
1050	0.26	1.20
1000	0.27	1.19
2000	0.19	1.10
3000	0.20	1.08
4000	0.25	1.12

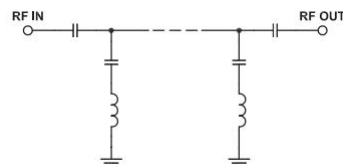


JY-THP-700+

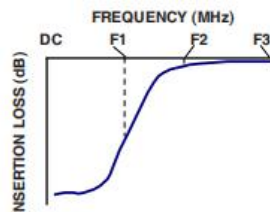


50Ω 700 to 4000 MHz

Functional Schematic



Typical Frequency Response



Maximum Ratings

Operating Temperature -40°C to 85°C

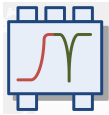
Storage Temperature -55°C to 100°C

RF Power Input* 0.5 W max. at 25°C

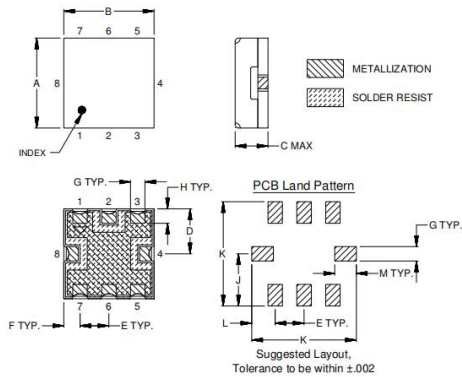
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

RF IN	8
RF OUT	4
GROUND	1,2,3,5,6,7



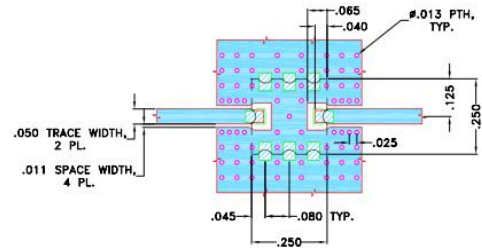
Outline Drawing



Outline Dimensions: Unit (mm)

A	6.35	B	6.35	C	2.54
D	3.18	E	2.03	F	1.14
G	1.02	H	1.02	J	3.68
K	7.37	L	1.65	M	1.52
wt		0.25			

Suggested PCB Layout



NOTES:

1. TRACE WIDTH IS SHOWN FOR OAK (OAK-602) WITH DIELECTRIC THICKNESS .022"±.0015". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

 DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)

 DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK