

Features

- High power handling
- Small size
- Temperature stable

Applications

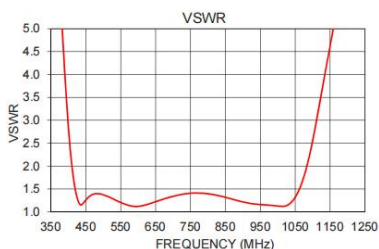
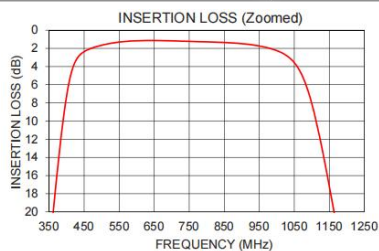
- Military radio
- Lab use
- Television broadcast

Electrical Specifications at 25°C

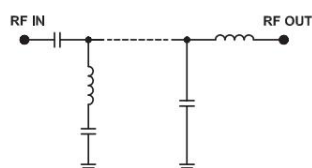
Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	675	-	MHz
	Insertion Loss	500-850	-	1.8	2.8	dB
	VSWR	500-850	-	1.7	-	:1
Stop Band, Lower	Insertion Loss	DC-230	40	52	-	dB
		230-340	20	28	-	dB
	VSWR	DC-340	-	16	-	:1
Stop Band, Upper	Insertion Loss	1275-1350	20	35	-	dB
		1350-4500	-	22	-	dB
	VSWR	1275-4500	-	14	-	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	82.87	327.07
100	75.08	258.89
230	52.50	59.98
340	29.70	19.33
360	20.76	14.03
430	3.11	1.82
500	1.65	1.38
675	1.15	1.28
850	1.35	1.27
1040	3.16	1.53
1165	20.33	10.76
1215	30.22	14.88
1275	35.67	17.20
1350	35.93	17.57
1400	36.24	16.63
2000	39.94	24.39
2700	29.98	90.27
3000	27.50	111.35
4000	22.71	17.93
4500	21.67	54.04



Functional Schematic



JY-SYBP-675+



50Ω 500 to 850 MHz

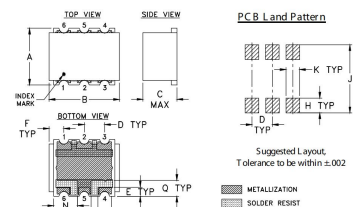
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	4W max @ 25°C
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

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

Outline Drawing



Outline Dimensions (inch)

A	B	C	D	E	F	G	H
.25	.31	.15	.090	.040	.065	.060	.065
6.35	7.87	3.81	2.29	1.02	1.65	1.52	1.65
J	K	L	N	Q	wt.		
.300	.060	.060	.105	.070	grams		
7.62	1.52	1.52	2.67	1.78	0.50		

Suggested PCB Layout

SUGGESTED MOUNTING CONFIGURATION FOR T1423 CASE STYLE "08F04" PIN CONNECTION

