



Features

- Excellent power handling
- Small size
- Temperature stable

Applications

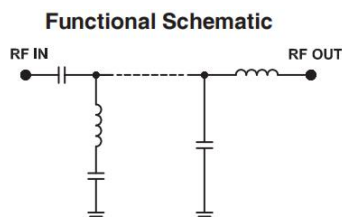
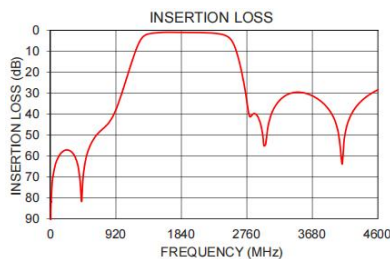
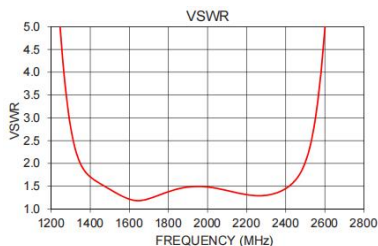
- Military radio
- Lab use
- Satellite communication

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	1950	-	MHz
	Insertion Loss	1700-2200	-	1.2	2.2	dB
	VSWR	1700-2200	-	1.9	-	:1
Stop Band, Lower	Insertion Loss	DC-800	30	39	-	dB
		800-1030	20	26	-	dB
		DC-1030	-	29	-	:1
Stop Band, Upper	Insertion Loss	2900-4000	20	28	-	dB
		4000-4600	-	20	-	dB
		2900-4600	-	23	-	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	81.78	386.31
100	61.33	626.21
200	57.33	686.16
250	57.20	552.76
800	45.00	64.60
880	40.90	51.78
1000	30.40	35.57
1030	27.25	31.55
1090	20.82	23.13
1300	3.18	2.39
1700	0.97	1.35
1950	1.10	1.54
2200	1.22	1.27
2490	3.04	1.50
2690	20.43	6.36
2750	31.68	8.77
2900	40.53	13.34
3000	55.15	14.52
4000	43.40	16.96
4600	28.46	26.27



JY-SYBP-1950+



50Ω 1700 to 2200 MHz

Maximum Ratings

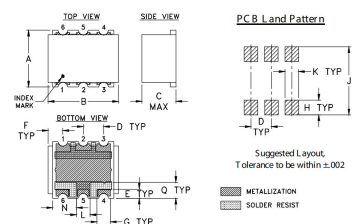
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	10W max @ 25°C

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

