

Low Pass Filter

Features

- High power handling
- Small size
- Temperature stable
- Excellent rejection

Applications

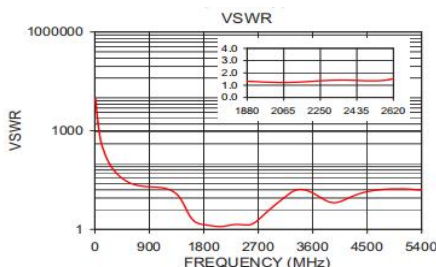
- Military radio
- PCS
- Satellite
- UMTS
- WiFi
- Lab use

Electrical Specifications at 25°C

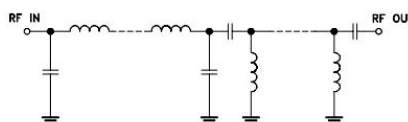
Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	2250	-	MHz
	Insertion Loss	1880-2620	-	2.2	3.0	dB
	VSWR	1880-2620	-	1.5	1.9	:1
Stop Band, Lower	Insertion Loss	DC-1280	20	25	-	dB
	VSWR	DC-1280	-	15	-	:1
Stop Band, Upper	Insertion Loss	3640-5400	20	30	-	dB
	VSWR	3640-5400	-	10	-	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10.00	75.60	9598.53
600.00	42.56	24.93
1000.00	36.86	19.31
1100.00	36.69	18.57
1260.00	25.98	14.78
1380.00	16.27	10.40
1500.00	6.63	4.40
1880.00	1.36	1.33
2000.00	1.24	1.24
2400.00	1.46	1.41
2620.00	1.79	1.53
3000.00	5.96	5.98
3640.00	29.39	11.65
4280.00	29.65	10.55
5400.00	23.11	15.53



Functional Schematic



JY-SYBP-2250+



50Ω 1880 to 2620 MHz

Maximum Ratings

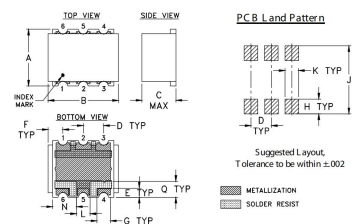
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	7W max @ 25°C

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

