

杰盈通讯技术 (深圳) 有限公司

http://www.jytxjs.cn

Bandpass Filter

Features

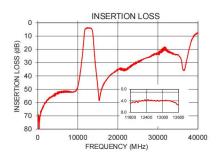
- small size
- temperature stable
- LTCC construction

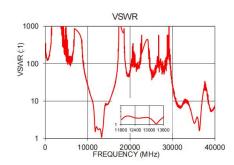
Applications

- · Harmonic rejection
- Transmitters / Receivers

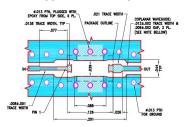
Electrical Specifications at 25°C							
1	Parameter	Frequency(MHz)	Min.	Тур.	Max.	Unit	
Pass Band	Center Frequency Insertion Loss Insertion Loss VSWR	12100-13200 12300-13000 12100-13200	- - -	12600 5 4 1.7	7 - -	MHz dB dB :1	
Stop Band, Lower	Insertion Loss	DC-9760	30	45	-	dB	
Stop Band, Upper	Insertion Loss	15170-25000 25000-35000	20 15	30 20	-	dB dB	

^{1.} Measured on Mini-Circuits Characterization Test Board with feedline losses removed by normalization of S12 and S21 traces to measurement of TB thru-line.





Suggested PCB Layout



DOISS.

I MACE WIDTH AND CAP PARAMETERS ARE SHOWN FOR ROODES ROADSOM WITH DELECTION THROUGHS, 2004'S -2007'S - COPPER, 1/2 OZ, LICH SIGE. FOR OTHER MEMBERS TRACE WITH AND OAM MAY HEED TO BE WIGHTED.

2. DOTTOM SIGE OF THE FOR IS CONTINUOUS GROUND FLAME.

3. MIT LAND PATTERN MAC FORWARD TO RETIRE PREFORMANCE.

DENOTES PER COPPER LAYOUT WITH SAIGHS (SOLDER MACK OVER BARE COPPER

JY-BFCN-1262+

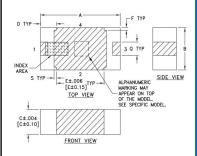


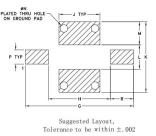
50Ω 12100 to 13200 MHz

Maximum Ratings	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	2W .at 25°C
*Passband rating, derate linearly ambient Permanent damage may occur if a exceeded.	

Pin Connections	
RF IN	1
RF OUT	3
GROUND	2

Outline Drawing





Outline Dimensions (inch mm)

J	Н	G	F	E	D	C	В	A
.069	.104	.182	.004	.075	.026	.037	.063	.126
1.753	2.64	4.62	0.10	1.91	0.66	0.94	1.60	3.20
wt	S	R	Q	Р	N	M	L	K
grams	.004	.039	.020	.024	.013	.039	0.041	0.119
.020	0.10	0.99	0.51	0.61	0.33	0.99	1.041	3.023

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This filter is not intended for use as a DC Blocking circuit element. In Application where DC voltage is present at either input or output ports, blocking capacitors are required at the corresponding RF port.