

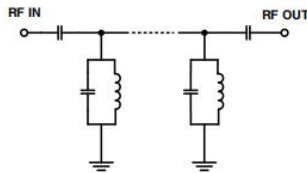
Features

- Sharp roll-off
- Low passband insertion loss
- Miniature shielded package

Applications

- Digital television
- Wireless microphones
- Test and measurement
- Point-to-point radio

Functional Schematic



JY-CBP-670F+



Generic photo used for illustration purposes only

50Ω 645 to 695 MHz

Maximum Ratings

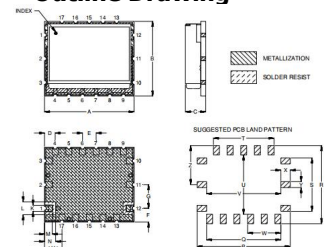
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5W max @ 25°C

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

Pin Connections

INPUT	1
OUTPUT	12
GROUND	2,3,4,5,6,7,8,9,10,11,13,14,15,16,17

Outline Drawing

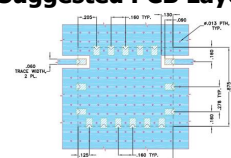


Suggested Layout Tolerance to be within ± 0.15

Outline Dimensions: Unit (mm)

A	26.67	B	22.23
C	6.07	D	3.18
E	4.06	F	4.06
G	7.06	H	5.21
J	4.06	K	1.78
L	3.81	M	2.29
N	3.30	P	27.69
Q	22.10	R	23.24
S	15.88	T	18.03
U	17.65	V	22.10
W	9.91	X	2.79
Y	1.78	Z	11.63
wt	8.5g		

Suggested PCB Layout

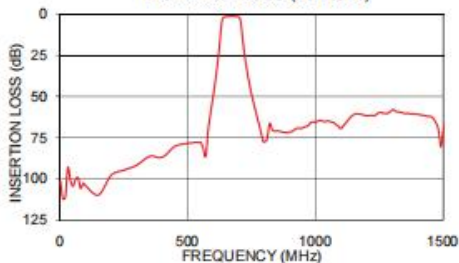


NOTES:
1. TRACE WIDTH IS SHOWN FOR 0.025 (0.001) INCH THICKNESS.
2. TOP SURFACE OF THE PCB IS COPPER PLATING.
3. BOTTOM SURFACE OF THE PCB IS COPPER PLATING.
4. DENOTES PCB COPPER LAYOUT WITH SOLDER.
5. DENOTES COPPER LAYOUT WITH SOLDER.
6. DENOTES COPPER LAYOUT FREE OF SOLDERMASK.

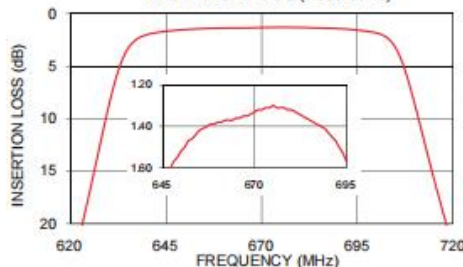
Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	670	-	MHz
	Insertion Loss	645-695	-	1.9	3.0	dB
	VSWR	645-695	-	1.5	1.9	:1
Stop Band, Lower	Insertion Loss	DC-613	20.0	31.6	-	dB
	VSWR	DC-613	-	20.0	-	:1
Stop Band, Upper	Insertion Loss	728-1500	20.0	29.1	-	dB
	VSWR	728-1500	-	20.0	-	:1

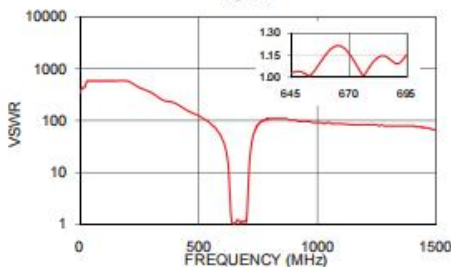
INSERTION LOSS (Full band)



INSERTION LOSS (Pass band)



VSWR



GROUP DELAY

