



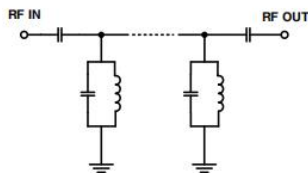
Features

- Good rejection
- High selectivity
- Miniature shielded package

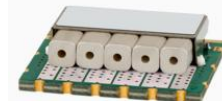
Applications

- Aeronautical radio navigation
- Radar and navigation systems
- Radio astronomy

Functional Schematic



JY-CBP-804F+



Generic photo used for illustration purposes only

50Ω 783 to 825 MHz

Maximum Ratings

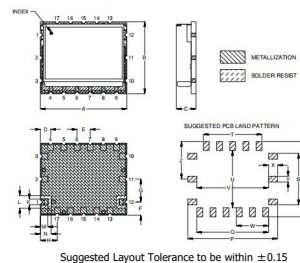
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5W max @ 25°C

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

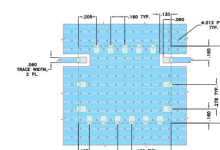


Suggested Layout Tolerance to be within ± 0.15

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 ONE (20-40) WITH DIELECTRIC THICKNESS 0.0015" (39.5μm).
2. IF A DIFFERENT THICKNESS IS REQUIRED, THE TRACE WIDTH MUST BE MODIFIED.
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Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	804	-	MHz
	Insertion Loss	783-825	-	2.0	3.5	dB
	VSWR	783-825	-	1.3	1.92	:1
Stop Band, Lower	Insertion Loss	DC-750	20.0	31.9	-	dB
	VSWR	DC-750	-	20.0	-	:1
Stop Band, Upper	Insertion Loss	860-1900	20.0	30.2	-	dB
	VSWR	860-1900	-	20.0	-	:1

