

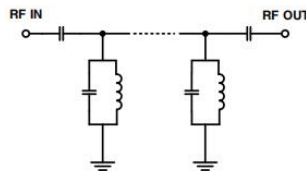
Features

- Low insertion loss
- High selectivity
- Miniature shielded package

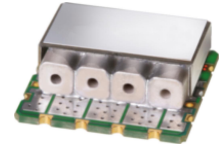
Applications

- Traffic collision avoidance system (TCAS)
- Aeronautical radio navigation
- Fixed satellite
- Radio astronomy
- Radar and navigation system

Functional Schematic



JY-CBP-1062C+



Generic photo used for illustration purposes only

50Ω 960 to 1164 MHz

Maximum Ratings

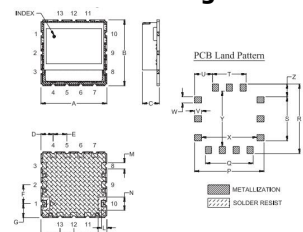
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5W max @ 25°C

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

Pin Connections

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

Outline Drawing

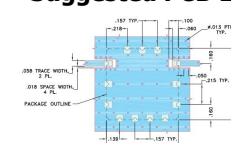


Suggested Layout Tolerance to be within ± 0.15

Outline Dimensions: Unit (mm)

A	19.05	B	19.05
C	5.33	D	3.53
E	3.99	F	5.46
G	4.06	H	5.54
J	3.99	K	2.54
L	1.52	M	1.75
N	3.78	P	20.07
Q	13.74	R	20.07
S	12.67	T	9.75
U	5.16	V	2.03
W	1.75	X	16.00
Y	16.00	Z	3.68
wt	4.6g		

Suggested PCB Layout



- NOTES:
1. TRACE WIDTH IS SHOWN FOR GSK (24μ-60μ) WITH DIELECTRIC THICKNESS 100μ. OTHER MATERIALS TRACE WIDTH MAY NEED TO BE ADJUSTED.
 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

■ DENOTES PCB COPPER LAYOUT WITH SOLDER (COLDER MASK OVER BASE COPPER)

■ DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	1062	-	MHz
	Insertion Loss	960-1164	-	0.6	2	dB
	VSWR	960-1164	-	1.3	-	:1
Stop Band, Lower	Insertion Loss	DC-735	20	29	-	dB
	VSWR	DC-735	-	20	-	:1
Stop Band, Upper	Insertion Loss	1620-1900	20	30	-	dB
	VSWR	1620-1900	-	20	-	:1

