



Low Pass Filter

Features

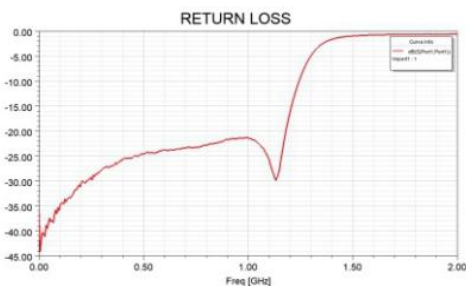
- Excellent power handling
- small size
- Low loss
- temperature stable
- LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

Applications

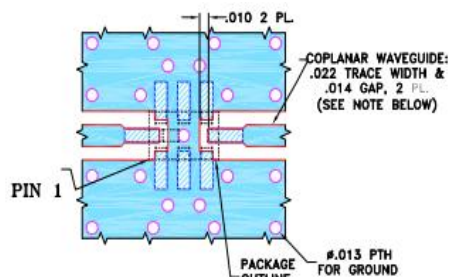
- Harmonic Rejection
- VHF/UHF transmitters / receivers
- Base Station/Micro base station of Mobile Communication, Internet of things terminal, lab use.

Electrical Specifications at 25°C

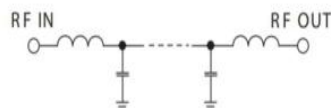
Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-1200	-	1.0	1.8	dB
	Freq.Cut-Off	1470	-	3.0	-	dB
	Return Loss	DC-1200	-	21	-	:1
Stop Band	Rejection Loss	1865-2000	20	45	-	dB
		2000-3700	40	45	-	dB
		3700-7000	28	40	-	dB
		7000-10000	-	30	-	:1



Suggested PCB Layout



Functional Schematic



JY-LFCG-1200+



50Ω DC to 1200 MHz

Maximum Ratings

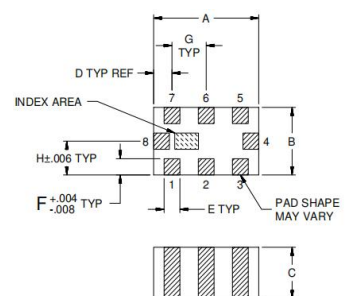
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5.5 W max. @25°C

* Passband rating, derate linearly to 1W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Pad Connections

INPUT	8
OUTPUT	4
GROUND	1,2,3,5,6,7

Outline Drawing



Suggested Layout,
Tolerance to be within ±0.05

Outline Dimensions: Unit (mm)

A	2.00	E	0.30
B	1.25	F	0.30
C	0.95	G	0.65
D	0.35	wt	0.002g