



Low Pass Filter

Features

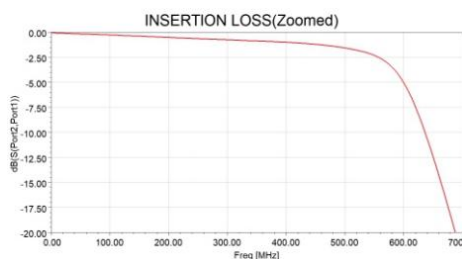
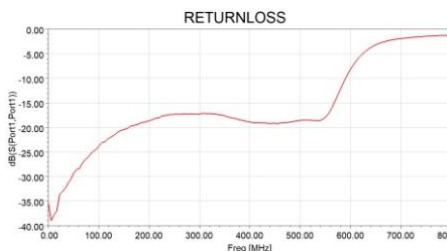
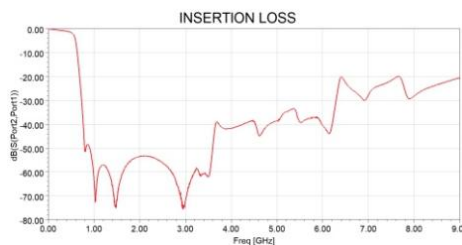
- Excellent power handling
- small size
- Very good rejection,50dB typical
- temperature stable
- LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

Applications

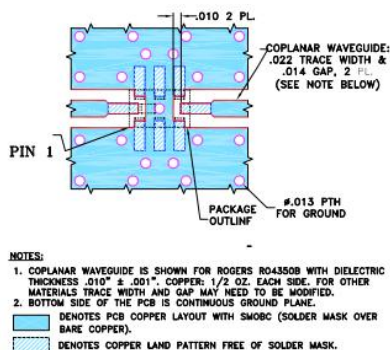
- Harmonic Rejection
- VHF/UHF transmitters / receivers
- Base Station/Micro base station of Mobile Communication, Internet of things terminal、lab use.

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-490	-	1.5	2.0	dB
	Freq.Cut-Off	570	-	3.0	-	dB
	Return Loss	DC-490	-	15	-	dB
Stop Band	Rejection Loss	800-960	20	48	-	dB
		960-1500	35	50	-	dB
		1500-3000	35	50	-	dB
		8000-15000	-	20	-	dB



Suggested PCB Layout

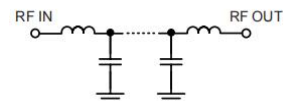


JY-LFCG-490+



50Ω DC to 490 MHz

Functional Schematic



Pad Connections

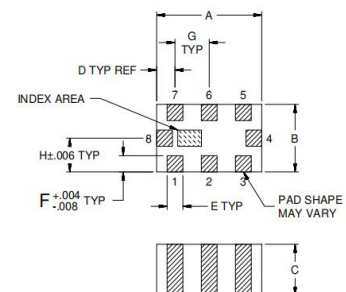
INPUT	8
OUTPUT	4
GROUND	1,2,3,5,6,7

Maximum Ratings

Operating Temperature	-55°C to 125°C
Storage Temperature	-55°C to 125°C
RF Power Input*	3.5 W max.@25°C

*Passband rating, derate linearly to 0.9W at 125°C ambient
Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



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	0.02g