Jieying Communication Technology (Shenzhen) Co., Ltd.
http://www.jytxjs.cn

Low Pass Filter

JY-LFCG-1200+

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.



Generic photo used for illustration purposes only

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

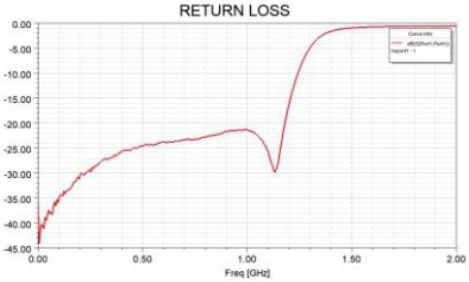
* Passband rating, derate linearly to 1W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

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

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

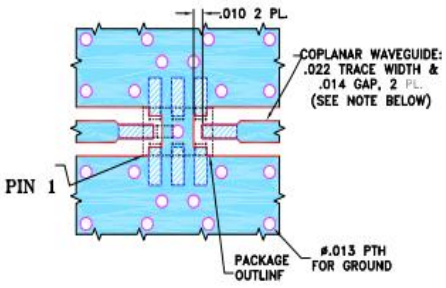
RETURN LOSS



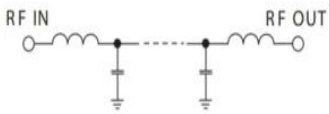
INSERTION LOSS



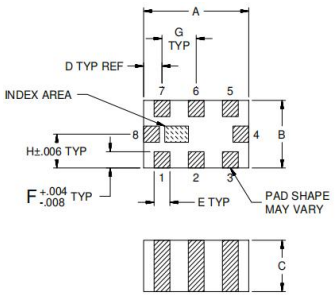
Suggested PCB Layout



Functional Schematic



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

JY-LFCG-1200+

Tel : +86 0755-27881106
Fax : +86 0755-27597069
Add : 806 Building B7, Tianrui Industrial Park, Fuyong Street, Baoan District, Shenzhen