



Low Pass Filter

Features

- excellent power handling
- small size
- 7 sections
- temperature stable
- LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

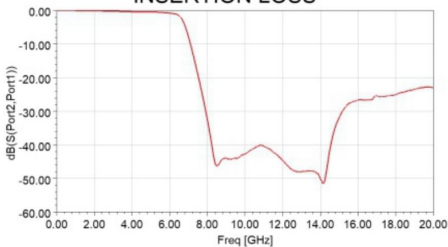
Applications

- harmonic rejection
- VHF/UHF transmitters/receivers
- Base Station of Mobile Communication, lab use.

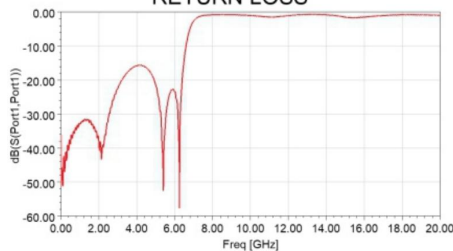
Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-5850	-	-	2.0	dB
	Freq.Cut-Off	6680	-	3.0	-	dB
	VSWR	DC-5850	-	1.5	-	:1
Stop Band	Rejection Loss	7600	20	-	-	dB
		7100-9900	-	30	-	dB
		9900-12500	-	20	-	dB
		VSWR	7600-12500	-	17	:1

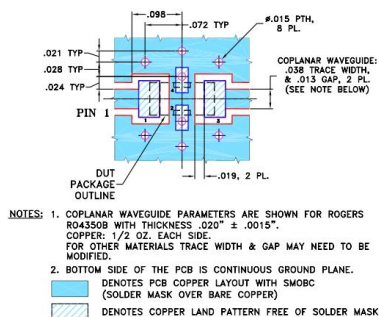
INSERTION LOSS



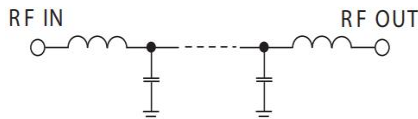
RETURN LOSS



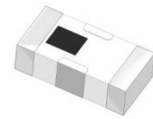
Suggested PCB Layout



Electrical Schematic



JY-LFCN-5850+



50Ω DC to 5850 MHz

Maximum Ratings

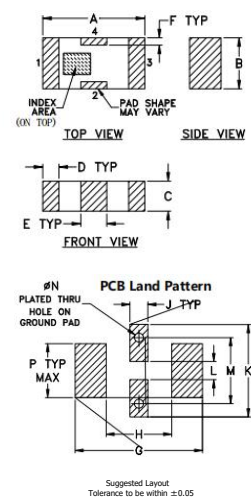
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	8W max. at 25°C

* Passband rating, derate linearly to 3W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

RF IN	1
RF OUT	3
GROUND	2,4

Outline Drawing



Outline Dimensions: Unit (mm)

A	3.20	B	1.60	C	0.95
D	0.51	E	0.81	F	0.23
G	4.29	H	2.21	J	0.61
K	3.10	L	0.61	M	2.21
N	0.30	P	1.80	Q	0.02g