



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.

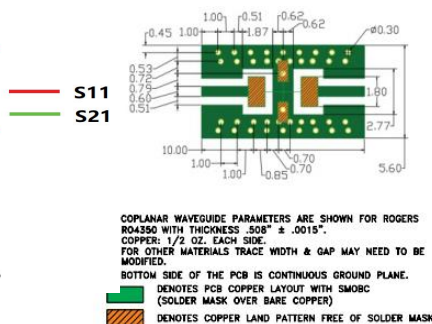
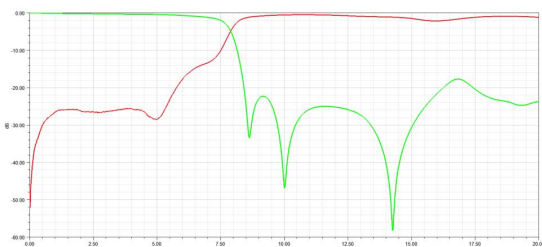
Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-6400	-	-	2.0	dB
	Freq.Cut-Off	7200	-	3.0	-	dB
	VSWR	DC-6400	-	1.2	-	:1
Stop Band	Rejection Loss	8500	20	30	-	dB
	VSWR	12500	20	25	-	dB
		8500-12500	-	17	-	:1

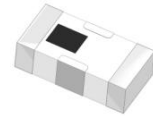
Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
40	0.03	1.01
500	0.10	1.07
2000	0.24	1.10
4000	0.38	1.11
5500	0.55	1.15
6400	0.88	1.42
7000	1.24	1.55
7200	1.43	1.62
7350	1.66	1.72
7500	2.86	1.91
7680	3.54	2.38
7770	14.91	2.78
8300	35.75	9.56
10200	25.77	32.41
11000	25.87	33.02
12500	30.63	21.63
15000	2.03	11.41

Suggested PCB Layout



JY-LFCN-6400+



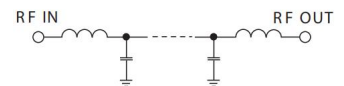
50Ω DC to 6400 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	10W max. at 25°C

* Passband rating, derate linearly to 3.5W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

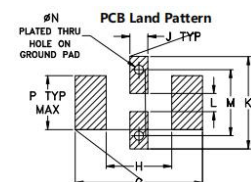
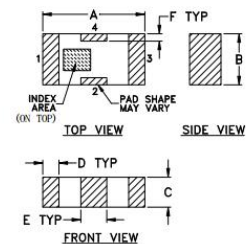
Electrical Schematic



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	wt	0.02g