



低通滤波器Low Pass Filter

特点Features

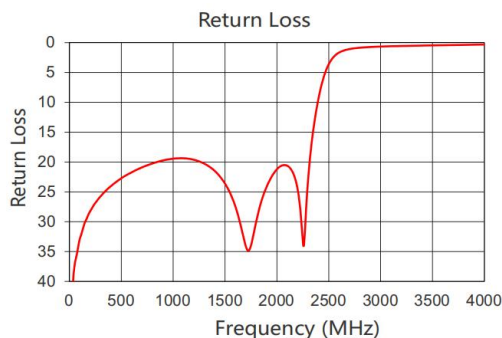
- 低损耗
Low loss
- 超小尺寸
Extremely small size
- 高抑制
Good rejection
- 宽温度使用范围
temperature stable
- LTCC结构，具备良好的耐湿性、耐腐蚀性、高可靠性
LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

应用领域Applications

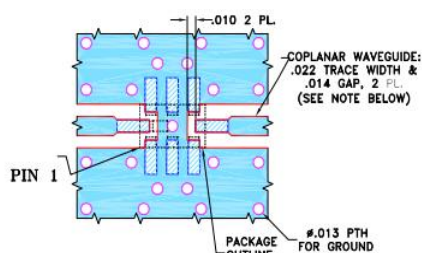
- 测试测量
Test and measurements
- 电信和宽带无线系统
Telecommunications and broadband wireless system

电性能参数规格Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	DC-2000	-	1.0	1.7	dB
	Freq.Cut-Off	2350	-	3.0	-	dB
	Return Loss	DC-2000	-	17	-	dB
Stop Band	Rejection Loss	2850-3300	20	40	-	dB
		3300-7500	40	52	-	dB
		7500-13500	-	28	-	dB

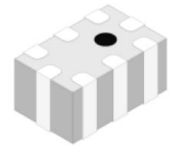


建议PCB布局



- NOTES:
1. COPLANAR WAVEGUIDE IS SHOWN FOR ROGERS R04350B WITH DIELECTRIC THICKNESS .010" ± .001". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER).
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK.

JY-LFCG-2000+



50Ω DC to 2000 MHz

Functional Schematic



最大额定值Maximum Ratings

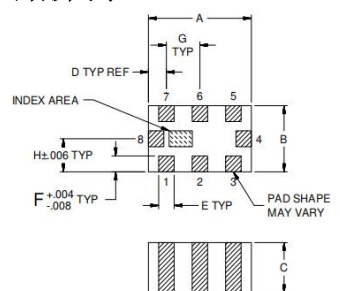
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	5.5 W max.@25°C

*Permanent damage may occur if any of these limits are exceeded.

引脚连接 Pad Connections

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

外形尺寸



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