

LTCC 高通滤波器 (High Pass Filter)

HT-HFCG-2000+

Features

- Low insertion loss.
- Good rejection.
- LTCC Construction.
- temperature stable.
- Small size.

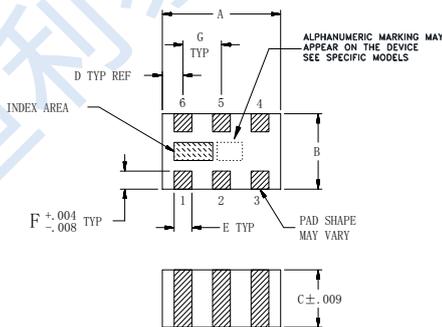
Applications

- Test and Measurement Equipment.
- Transmitters / Receivers.
- Telecommunications and broadband wireless system.

Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4,5,6

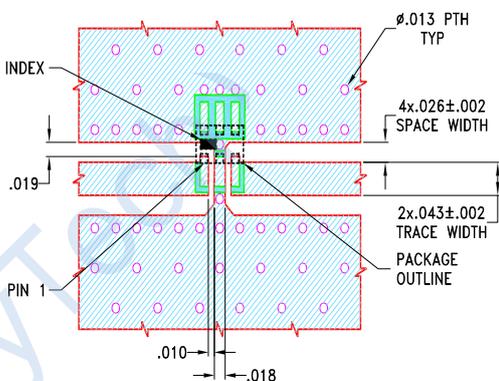
Outline Drawing



Outline Dimensions : inch mm

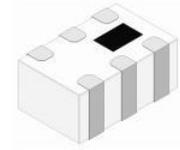
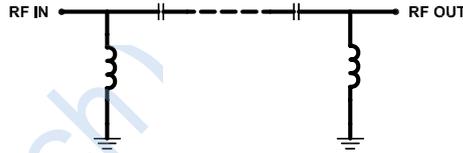
A	B	C	D	E	F	G	Wt.
.079	.049	.037	.014	.012	.012	.026	grams
2.00	1.25	0.95	0.35	0.30	0.30	0.65	.008

PCB Land Pattern



- NOTES:
1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS (R04350B) WITH DIELECTRIC THICKNESS .020 \pm .0015. 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 PATTERN WITH SMOBC (SOLDER MASK OVER BARE COPPER)
- DENOTES PCB COPPER PATTERN FREE OF SOLDERMASK

Functional Schematic



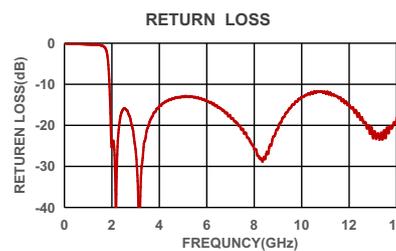
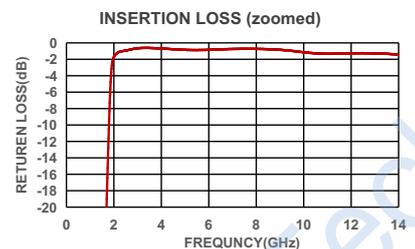
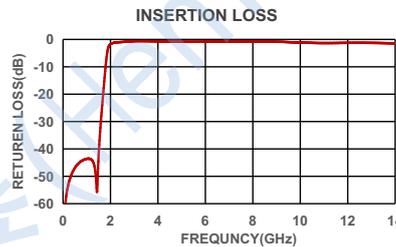
50 Ω
2100MHz to 10000MHz

Electrical Specifications(1) at 25°C

Parameter		Frequency (MHz)	Min.	Typ.	Max.	Unit
Stopband	Rejection Loss	DC - 1100	42	50	—	dB
		1100 - 1530	20	27	—	dB
	Freq. Cut-Off	1930	—	3.0	—	dB
Passband	Insertion Loss	2100 - 2300	—	1.7	—	dB
		2300 - 2800	—	1.4	1.8	dB
		2800 - 10000	—	0.9	1.3	dB
	Return loss	2100 - 10000	—	10	—	dB

1.This filter is not intended for use as a DC Blocking circuit element. In Application where DC voltage is present at either input or output ports, blocking capacitors are required at the corresponding RF port.

Typical Performance Data(1,2) at 25°C



- 1.The specifications are tested at 25°C \pm 5°C relative humidity 55~75%.
- 2.Other quality and characteristic not specify in this datasheet. Please contact us for detail requirements.

Maximum Ratings

Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	4 W at 25°C

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