

High Pass Filter

Features

- Wrap-around terminations
- LTCC Construction
- Temperature stable
- Small size

Applications

- Test and measurements
- Military applications

JY-HFCG-2000+

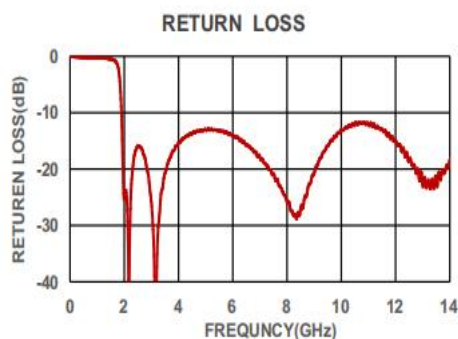
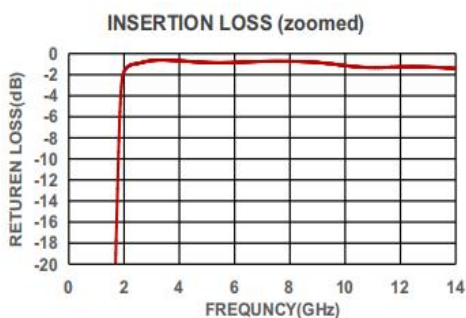
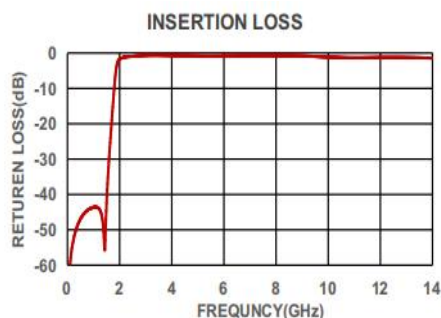


50Ω 2100 to 10000 MHz

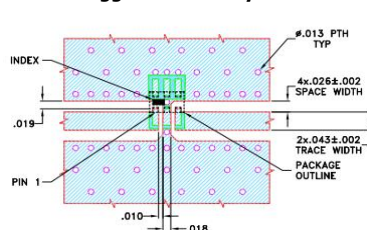
Electrical Specifications at 25°C

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
		2800-2800	-	1.4	1.8	dB
		2800-10000	-	0.9	1.3	dB
Passband	Return loss	2100-10000	-	10	-	dB

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.



Suggested PCB Layout



- NOTES:
1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS (RO4350B) WITH DIELECTRIC THICKNESS .0024-.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

Maximum Ratings

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

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

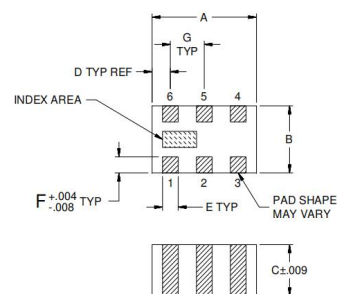
Electrical Schematic



Pin Connections

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

Outline Drawing



Outline Dimensions: Unit (mm)

A	2.00	B	1.25	C	0.95
D	0.35	E	0.30	F	0.30
G	0.65	wt			0.008g