

High Pass Filter

RHP-EDU1143

Surface Mount

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

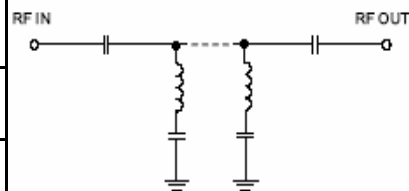
CASE STYLE : GP731

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 2 dB)	130		4000	MHz
FCO NOM (LOSS 3dB)		123		MHz
Stopband (Loss 20dB NOM)	1		117	MHz
Passband VSWR		1.2	1.7	(:1)
Stopband VSWR		20		(:1)

Functional Schematic

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	10mW



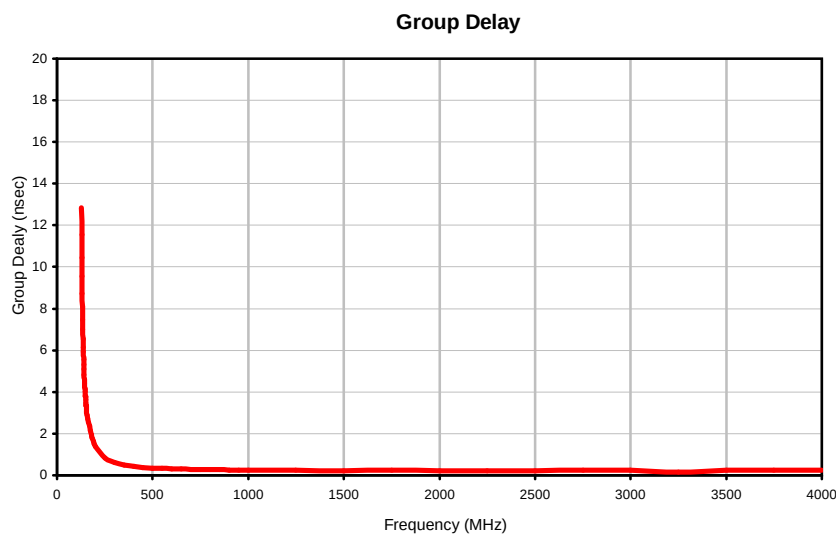
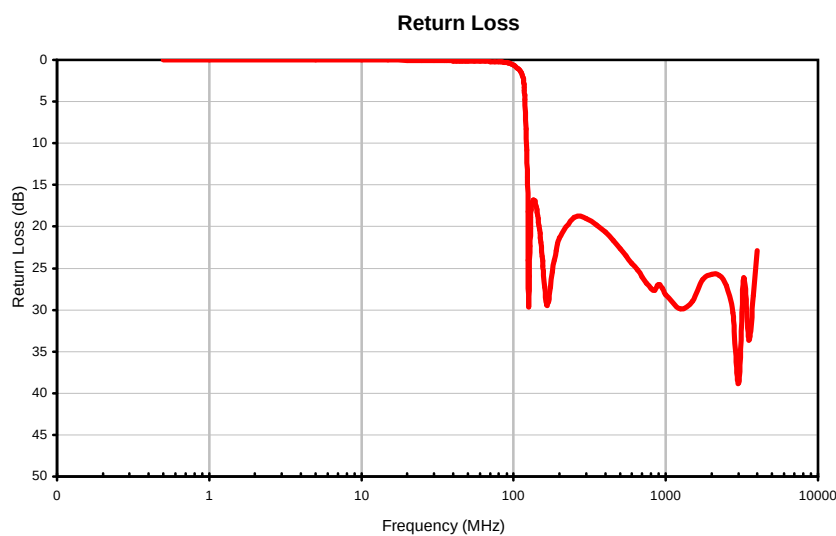
PIN CONNECTIONS

Input	2
Output	6
Not Connected	-
Case Ground	1,3,4,5,7,8

Typical Performance Data

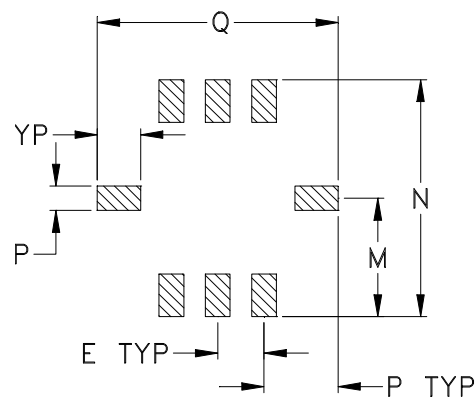
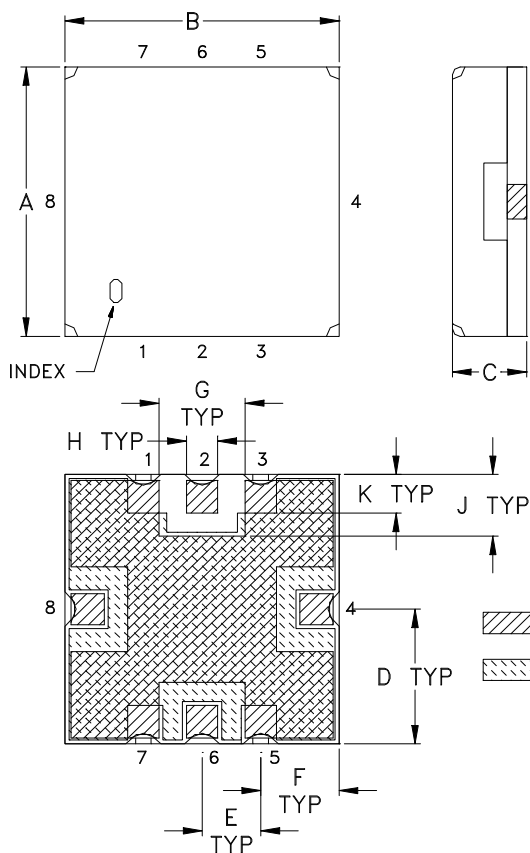
FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
0.50	52.46	0.00	128.00	12.83
5.00	32.52	0.00	140.00	5.32
10.00	26.59	0.02	150.00	3.63
50.00	15.52	0.16	160.00	2.71
80.00	22.57	0.22	200.00	1.40
88.00	35.68	0.30	300.00	0.61
100.00	17.23	0.63	500.00	0.35
110.00	14.85	1.26	800.00	0.26
115.00	19.80	2.07	1000.00	0.25
117.50	13.23	3.30	1500.00	0.23
118.50	10.15	4.21	2000.00	0.23
120.00	6.65	6.27	2500.00	0.23
122.00	3.78	10.79	3000.00	0.24
123.00	2.93	14.03	3500.00	0.23
125.00	1.94	24.02	4000.00	0.24
128.00	1.29	22.36		
140.00	0.65	17.41		
160.00	0.34	27.23		
200.00	0.22	21.35		
300.00	0.16	19.02		
1000.00	0.21	28.22		
2000.00	0.33	25.75		
3000.00	0.53	38.81		
4000.00	0.72	22.91		

Typical Performance Curves



Outline Dimensions

GP731



CASE #	A	B	C	D	E	F	G	H	J	K	L	M
GP731	.350 (8.89)	.350 (8.89)	.100 (2.54)	.175 (4.45)	.075 (1.91)	.100 (2.54)	.110 (2.79)	.040 (1.02)	.080 (2.03)	.050 (1.27)	.040 (1.02)	.195 (4.95)

CASE #	N	P	Q	R	WT. GRAM
GP731	.390 (9.91)	.120 (3.05)	.390 (9.91)	.070 (1.78)	.4 +0.3 -0.0

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .03$; 3Pl. $\pm .015$

Notes:

- Case material: Nickel-Silver alloy.
- Base: Printed wiring laminate.
- Termination finish:

For RoHS Case Styles: 3-5 μ inch (.08-.13 microns) Gold over 120-240 μ inch (3.05-6.10 microns) Nickel plate.
For RoHS-5 Case Styles: Tin-Lead plate.



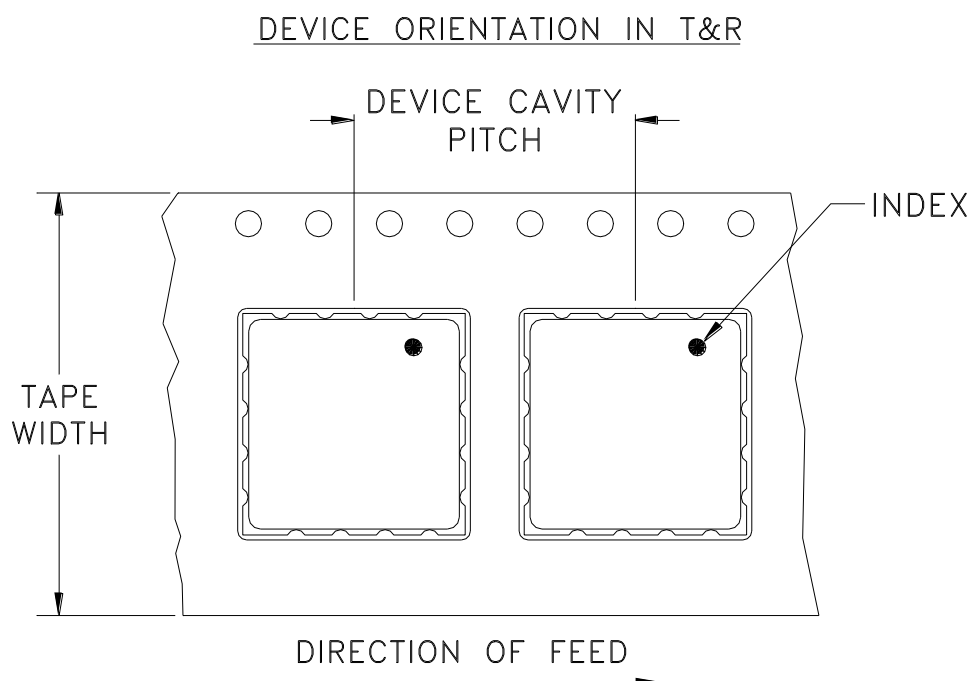
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F78



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel see note
16	12	7	10
			20
			50
			100
			200
		13	500, 1000

Note: Please consult individual model data sheet to determine device per reel availability.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

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