

High Pass Filter Surface Mount

RHP-EDU2190

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.

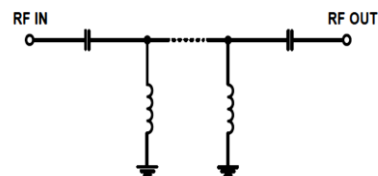
CASE STYLE : GP1212

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1.5 dB)	1000		1800	MHz
Insertion loss 3 dB		850		MHz
Stopband (Loss > 40 dB) (Loss > 20 dB)	DC	380		MHz
	380	710		MHz
Passband VSWR		1.45		(: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	1.9 W



PIN CONNECTIONS

Input	2
Output	6
Ground	1,3,4,5,7,8

Surface Mount High Pass Filter

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Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1	108.86	0.05	1000	1.19
50	99.86	0.04	1025	1.08
100	93.52	0.04	1050	0.98
250	69.75	0.07	1100	0.83
380	49.80	0.15	1120	0.79
500	38.21	0.28	1150	0.73
710	32.45	0.54	1180	0.69
715	30.21	0.55	1200	0.65
730	24.87	0.60	1220	0.62
745	20.62	0.66	1240	0.60
780	12.75	1.00	1260	0.57
848	3.09	4.74	1280	0.55
850	2.94	4.97	1300	0.53
900	0.93	12.84	1350	0.49
1000	0.47	33.65	1400	0.45
1500	0.36	19.20	1450	0.42
1600	0.34	19.42	1500	0.39
1800	0.33	19.87	1550	0.37
2000	0.31	20.63	1600	0.35
2200	0.31	21.66	1650	0.33
2400	0.32	21.88	1700	0.31
2600	0.34	20.50	1750	0.30
2800	0.37	18.23	1775	0.29
3000	0.42	15.89	1800	0.28



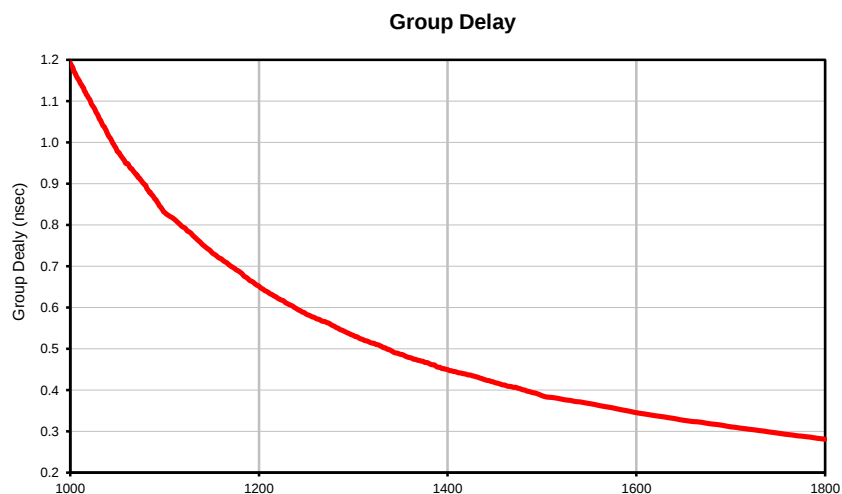
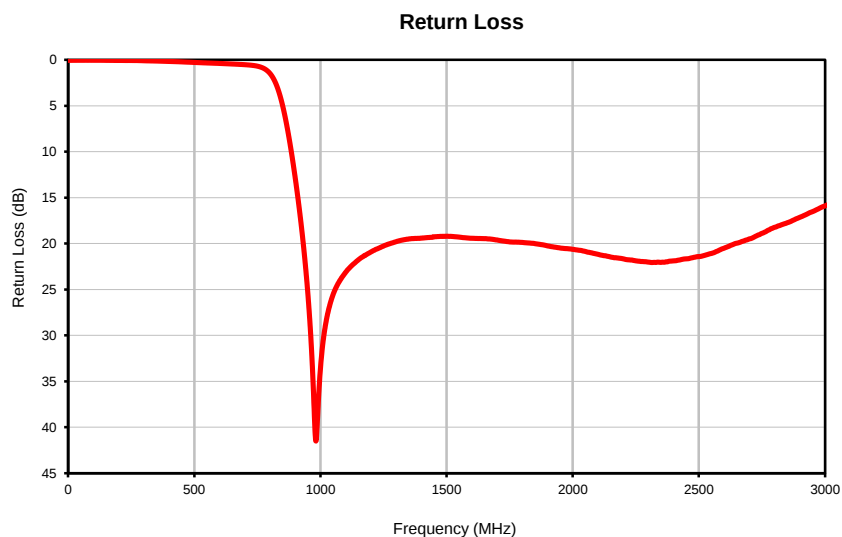
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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

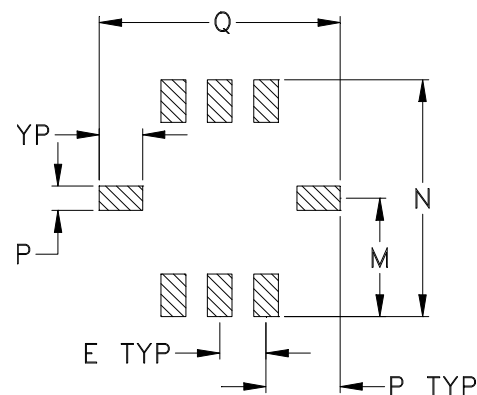
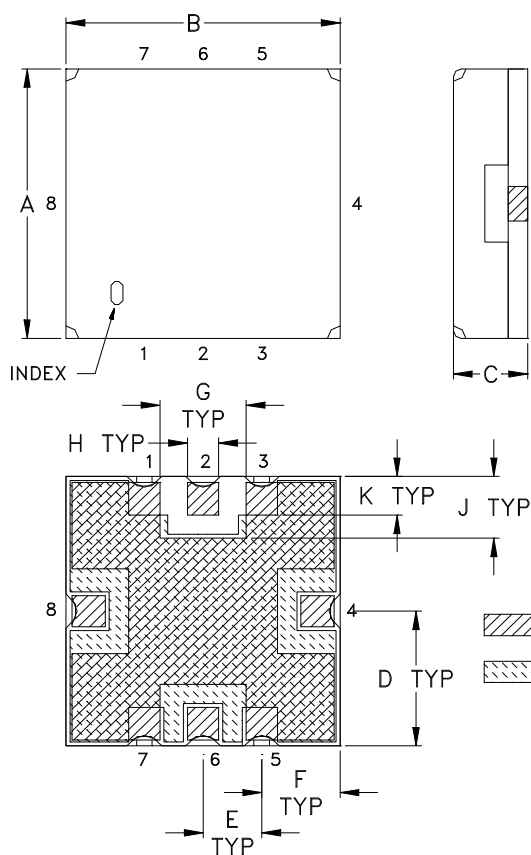
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Typical Performance Curves



Outline Dimensions

GP1212



CASE #	A	B	C	D	E	F	G	H	J	K	L	M
GP1212	.350 (8.89)	.350 (8.89)	.150 (3.81)	.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
GP1212	.390 (9.91)	.120 (3.05)	.390 (9.91)	.070 (1.78)	.5 +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.



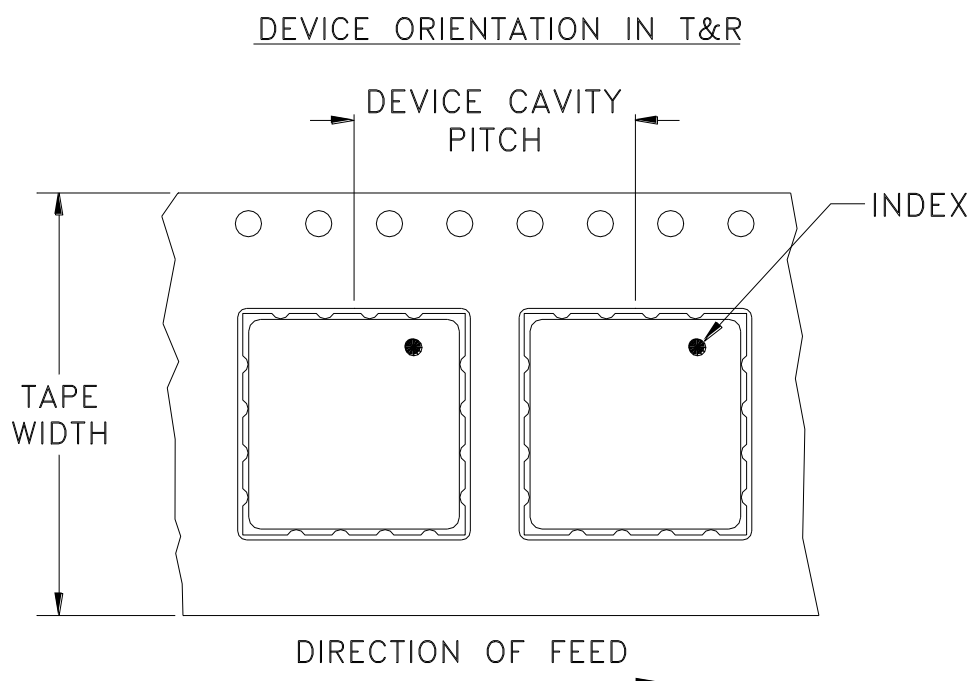
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RF/IF MICROWAVE COMPONENTS

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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