

Low Pass Filter Surface Mount

RLP-EDU1267

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.



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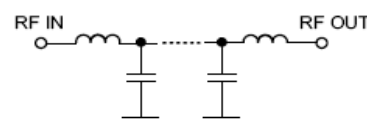
CASE STYLE : GP731

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 2 dB)	DC		80	MHz
FCO NOM (LOSS 3dB)		91		MHz
Stopband (Loss > 20 dB)	105		4000	MHz
(Loss > 40 dB)	112		124	MHz
Passband VSWR		1.1	1.43	(: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	250mW



PIN CONNECTIONS

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

Metal Shield Low Pass Filter

RLP-EDU1267

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
0.5	0.20	33.72	1.0	5.799
5.0	0.22	31.77	2.0	6.139
10.0	0.22	28.90	3.0	6.352
50.0	0.54	28.39	4.0	6.483
80.0	1.27	25.93	5.0	6.575
91.0	3.18	14.37	6.0	6.436
95.0	7.08	5.51	7.0	6.445
100.0	16.44	2.04	8.0	6.453
105.0	28.34	1.24	9.0	6.461
112.0	48.63	0.87	10.0	6.470
124.0	59.95	0.62	15.0	6.481
135.0	42.89	0.52	20.0	6.519
145.0	39.66	0.44	25.0	6.624
200.0	41.11	0.25	30.0	6.767
250.0	46.36	0.19	35.0	6.948
300.0	51.99	0.16	40.0	7.191
400.0	65.21	0.11	45.0	7.485
500.0	80.72	0.07	50.0	7.843
1000.0	60.21	0.11	55.0	8.324
1500.0	73.21	0.16	60.0	8.943
2000.0	67.87	0.19	65.0	9.749
2500.0	57.47	0.22	70.0	10.872
3000.0	50.62	0.24	75.0	12.264
4000.0	35.99	0.35	80.0	13.593

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Patent Pending

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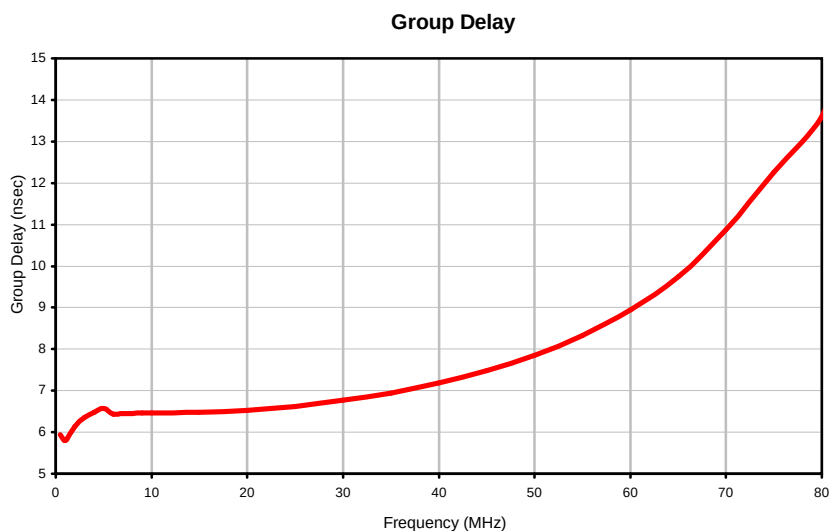
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Typical Performance Curves



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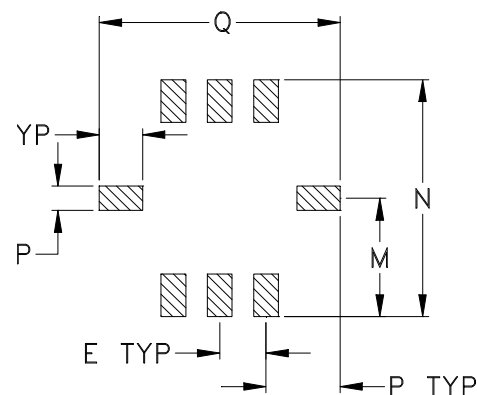
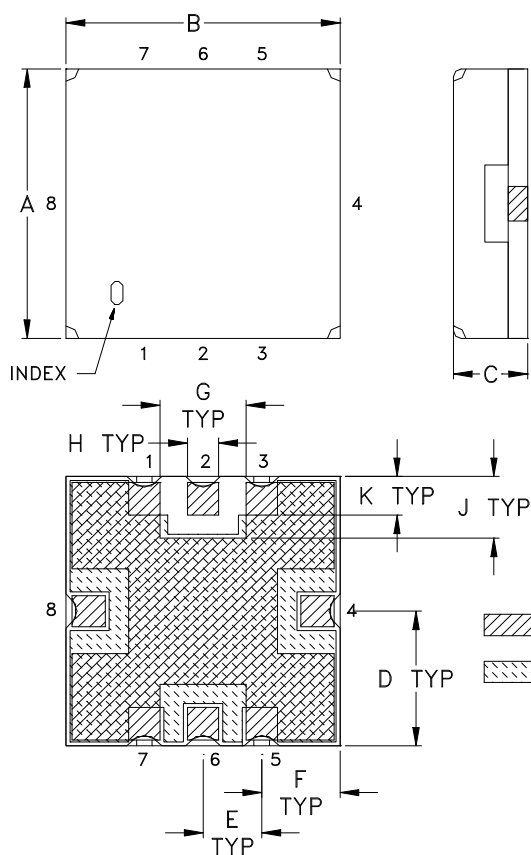


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Outline Dimensions

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.

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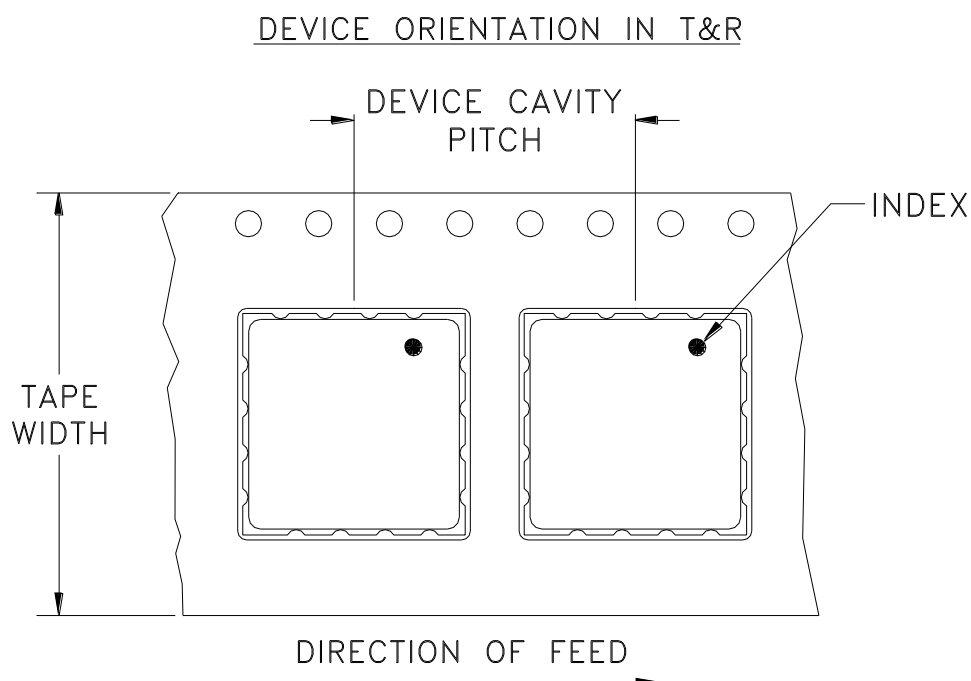
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RF/IF MICROWAVE COMPONENTS

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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