

High Pass Filter

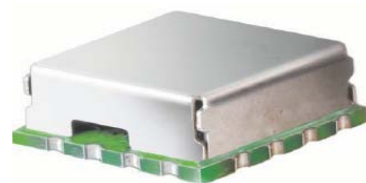
RHPF-EDU1164

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.



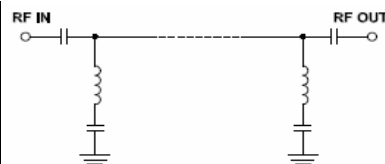
CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1.5 dB)	500		2000	MHz
Insertion loss 3dB		456		MHz
Stopband (Loss > 25 dB)	300		400	MHz
(Loss > 50 dB)	DC		300	MHz
Passband VSWR		1.2	1.8	(: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	10
Not Connected	14
Case Ground	1,3,4,5,6,7,8,9,11,12,13,15,16

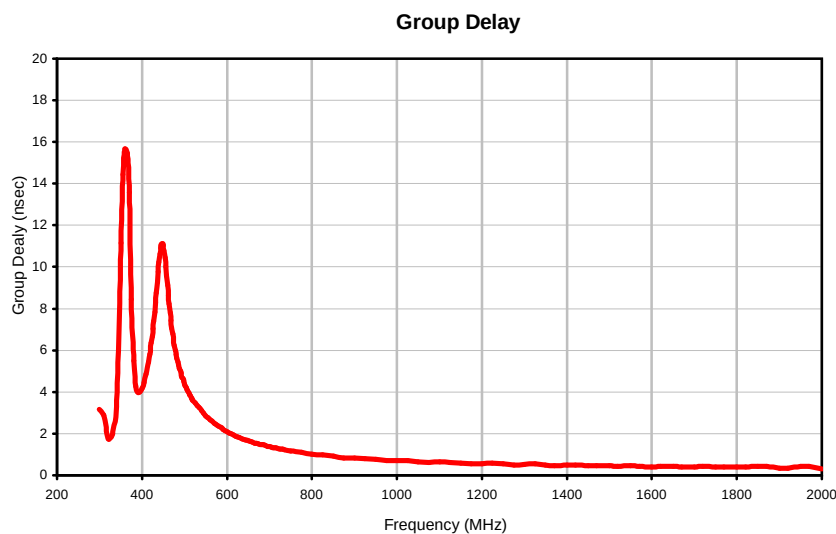
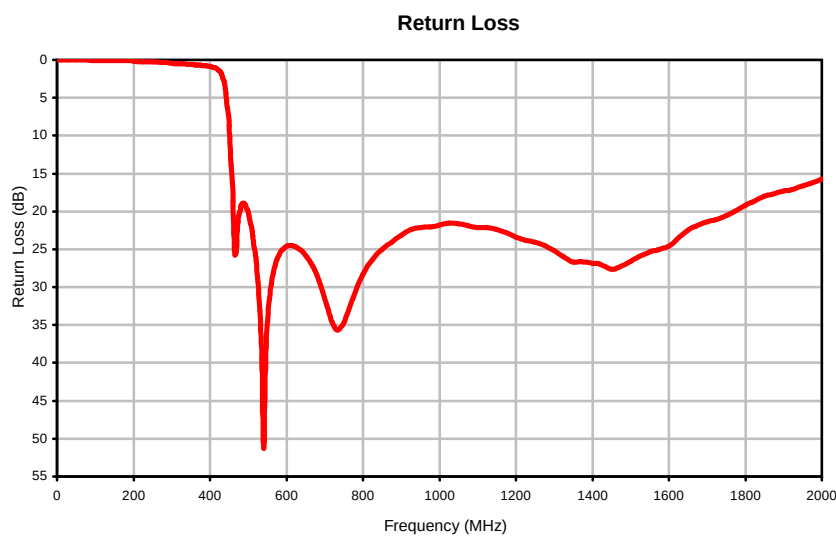
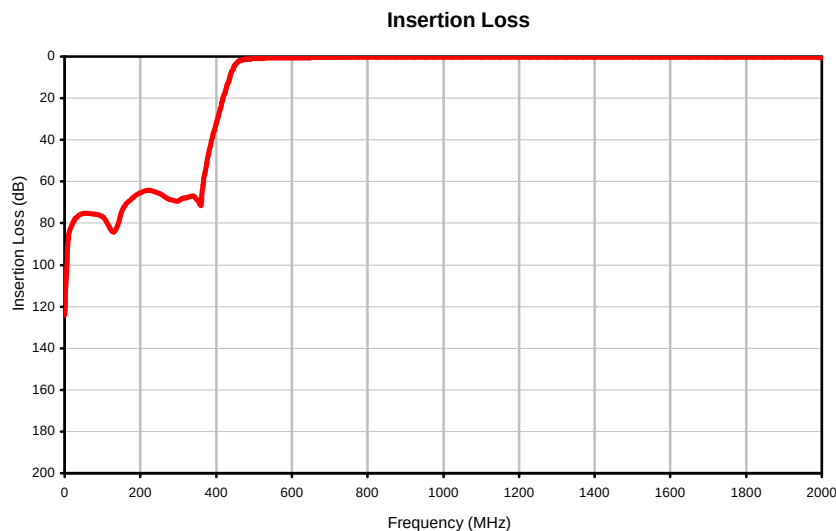
Metal Shield High Pass Filter

RHPF-EDU1164

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
0.5	123.98	0.03	300	3.17
100	76.86	0.05	360	15.67
200	65.32	0.18	400	4.18
300	69.58	0.45	410	4.85
360	71.16	0.64	426	7.04
400	31.80	0.87	438	9.76
410	25.28	1.00	440	10.22
426	15.60	1.55	450	11.02
438	8.97	3.25	456	10.01
440	7.99	3.80	460	9.11
450	4.14	8.66	470	7.08
456	2.79	13.86	500	4.40
460	2.24	18.68	550	2.87
470	1.54	23.88	600	2.10
500	0.98	20.20	700	1.37
550	0.65	34.47	800	1.01
600	0.52	24.60	900	0.83
700	0.41	31.40	1000	0.72
800	0.36	28.31	1200	0.56
900	0.33	23.11	1300	0.51
1000	0.31	21.77	1400	0.5
1300	0.32	25.18	1500	0.45
1800	0.36	19.19	1800	0.41
2000	0.53	15.69	2000	0.32

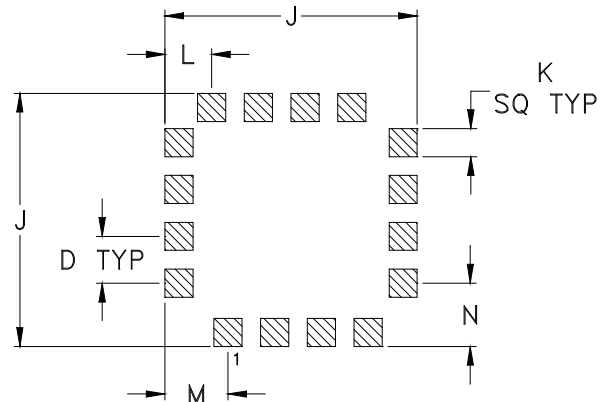
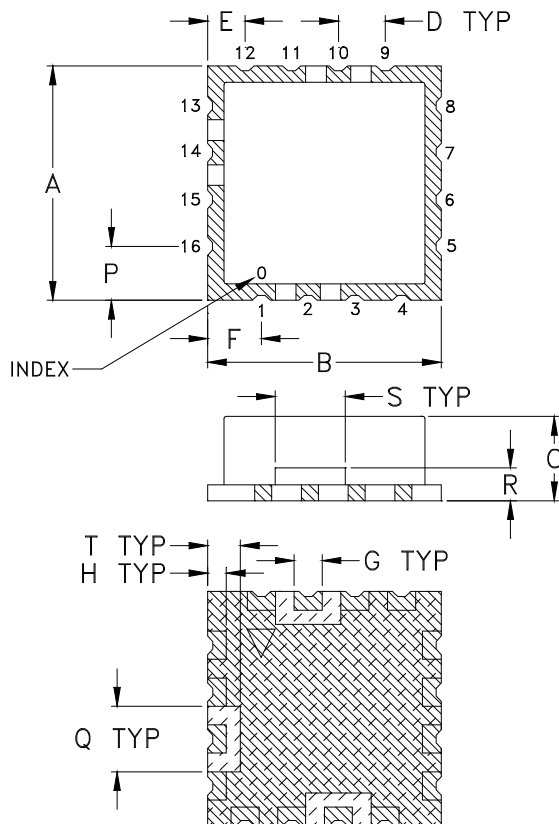
Typical Performance Curves



Outline Dimensions

CK605

PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE #	A	B	C	D	E	F	G	H	J	K
CK605	.500 (12.70)	.500 (12.70)	.180 (4.57)	.100 (2.54)	.080 (2.03)	.115 (2.92)	.060 (1.52)	.040 (1.02)	.540 (13.72)	.060 (1.52)

CASE #	L	M	N	P	Q	R	S	T	WT. GRAM
CK605	.100 (2.54)	.135 (3.43)	.135 (3.43)	.115 (2.92)	.140 (3.56)	.070 (1.78)	.150 (3.81)	.070 (1.78)	1.2 +0.5 -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.
All models, (+) suffix.



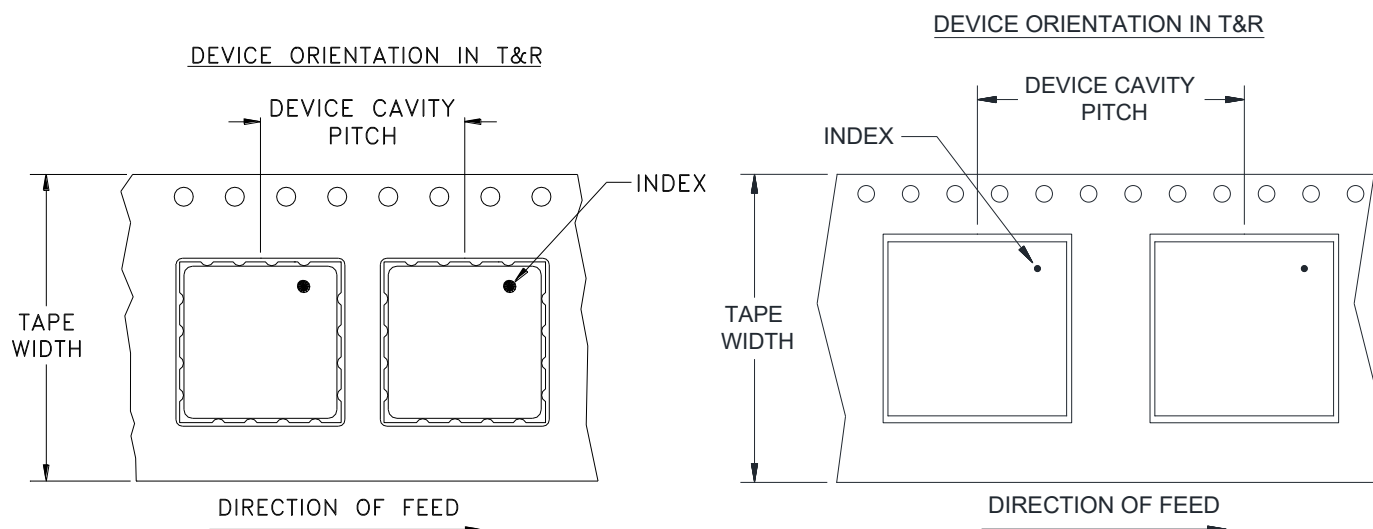
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F37



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel	
24	16	7	Small quantity standards (see note)	10
				20
				50
				100
		13	Standard	200
				500

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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