

Band Pass Filter

CBPF-EDU1104

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.

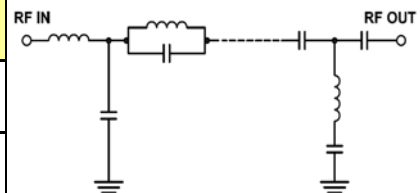


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CASE STYLE : HQ1157

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 2 dB)	1250		1850	MHz
Center frequency		1550		MHz
Group Delay variation @ 1250MHz-1850MHz			0.6	nSec
Low band (Loss > 25dB Typ)	10		910	MHz
Low band (Loss > 25dB Typ)	2500		6000	MHz
Passband VSWR		1.6	2	(:1)
Stopband VSWR		18		(:1)

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	+25 dBm

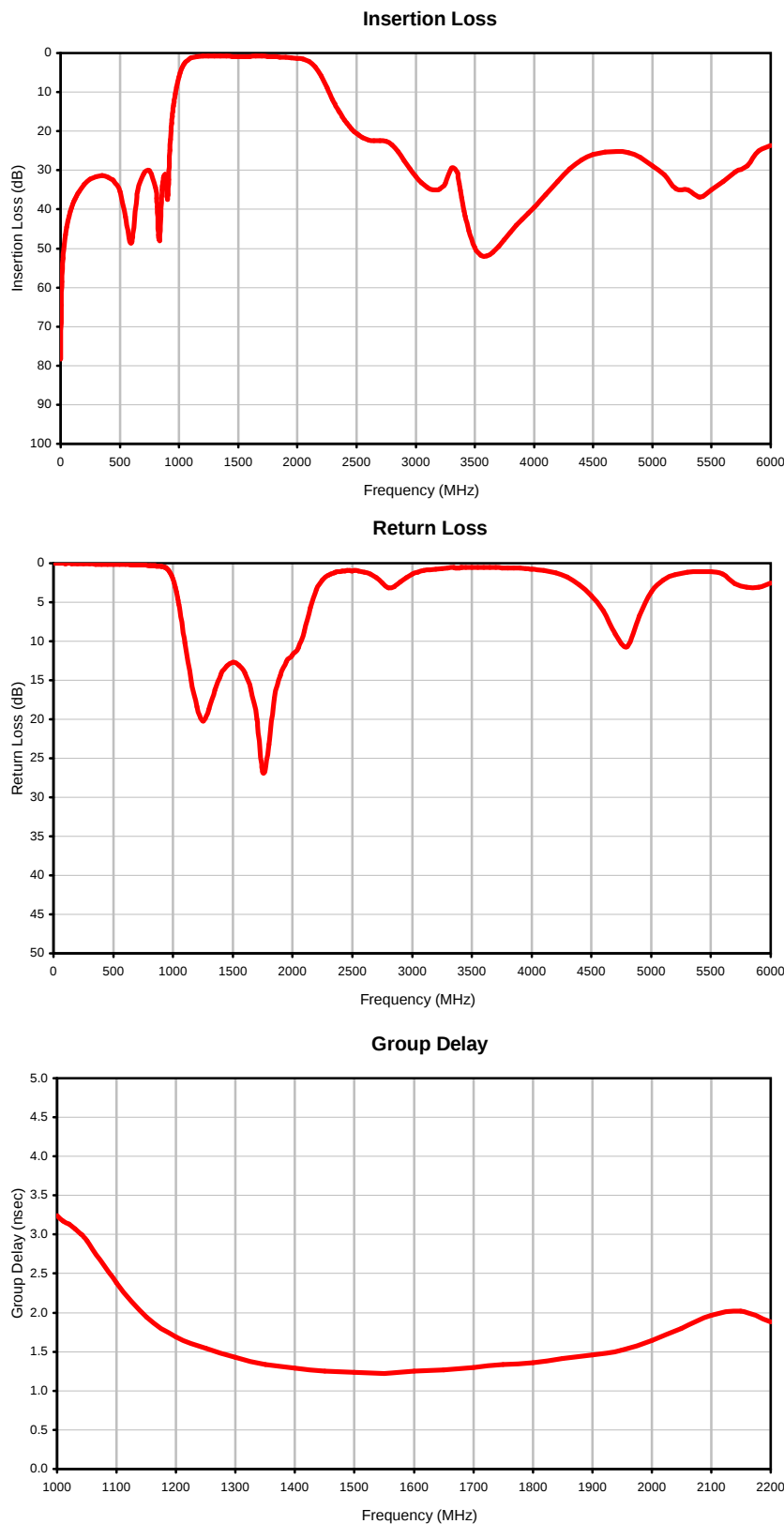


PIN CONNECTIONS	
Input	1
Output	8
Case Ground	2,3,4,5,6,7,9,10,11,12,13,14

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1	78.35	0.00	1000	3.24
10	58.55	0.00	1010	3.17
50	44.60	0.02	1020	3.13
100	38.76	0.04	1030	3.07
300	31.57	0.10	1040	3.00
500	35.52	0.17	1050	2.92
750	30.03	0.26	1100	2.38
910	36.33	0.43	1150	1.94
930	22.05	0.52	1200	1.69
950	14.87	0.69	1250	1.54
970	10.43	1.06	1300	1.43
1000	6.08	2.01	1350	1.34
1030	3.46	3.73	1400	1.29
1050	2.41	5.33	1450	1.25
1100	1.21	10.25	1500	1.24
1250	0.72	20.20	1550	1.22
1400	0.81	14.24	1600	1.25
1550	0.88	13.04	1650	1.27
1700	0.82	20.03	1700	1.30
1850	1.00	17.34	1750	1.34
2050	1.56	10.83	1800	1.36
2100	2.15	8.68	1850	1.41
2150	3.54	5.66	1900	1.46
2200	5.90	3.42	1950	1.52
2300	11.91	1.52	2000	1.64
2600	22.23	1.14	2050	1.80
4000	39.43	0.74	2100	1.97
6000	23.58	2.50	2200	1.88

Typical Performance Curves

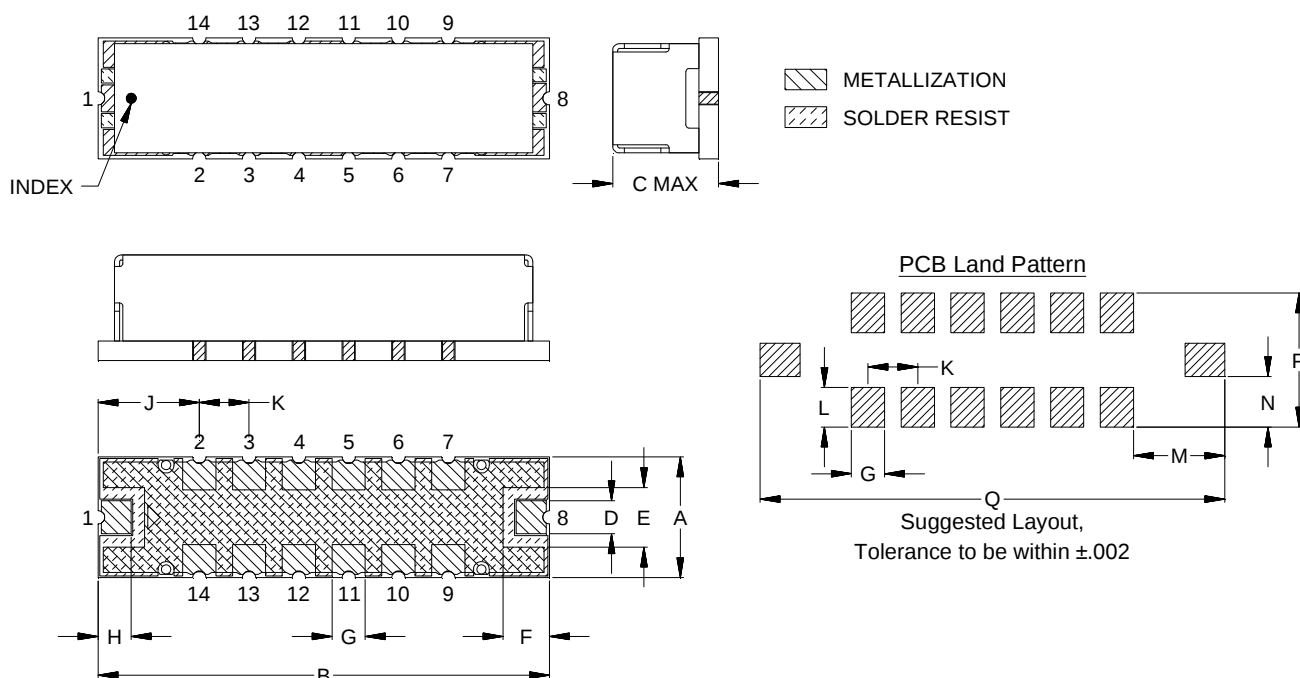


Case Style

HQ

Outline Dimensions

HQ1157



CASE#	A	B	C	D	E	F	G	H	J	K	L	M
HQ1157	.365 (9.27)	1.360 (34.54)	.350 (8.89)	.100 (2.54)	.180 (4.57)	.140 (3.56)	.100 (2.54)	.100 (2.54)	.305 (7.75)	.150 (3.81)	.120 (3.05)	.275 (6.99)

CASE#	N	P	Q	WT.GRAM
HQ1157	.152 (3.87)	.405 (10.29)	1.400 (35.56)	4.0

Dimensions are in inches (mm). Tolerances: 2Pl. ± .03; 3Pl. ± .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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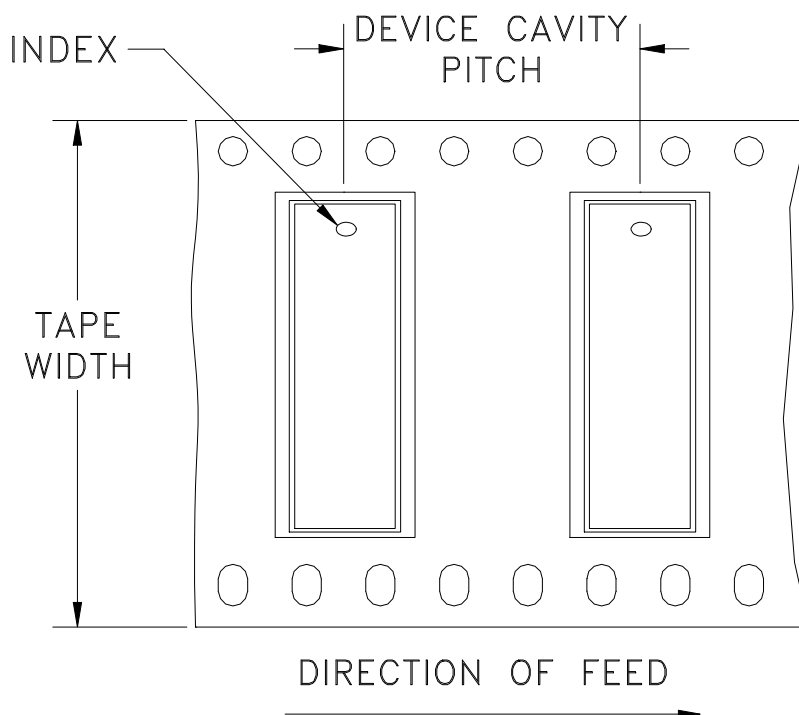


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RFIIF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F83

DEVICE ORIENTATION IN T&R



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
56	16	13	100

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