

High Pass Filter

Coaxial

SHP-EDU1578

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.

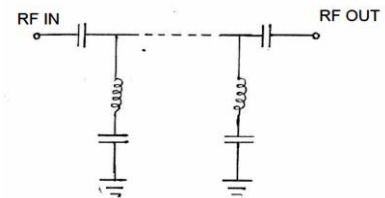
CASE STYLE : FF99

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1 dB)	110		3000	MHz
Insertion loss 3 dB		100		MHz
Stopband (Loss > 40 dB)	DC	77		MHz
(Loss > 20 dB)	77	84		MHz
Passband VSWR		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	1 W



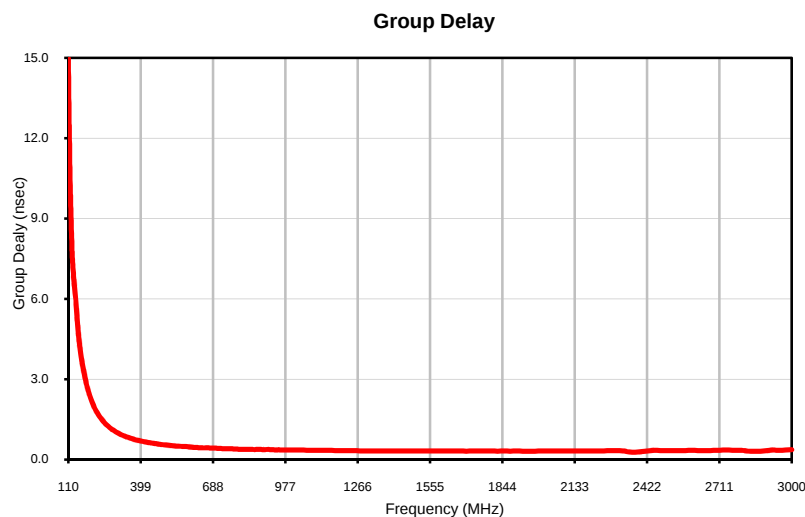
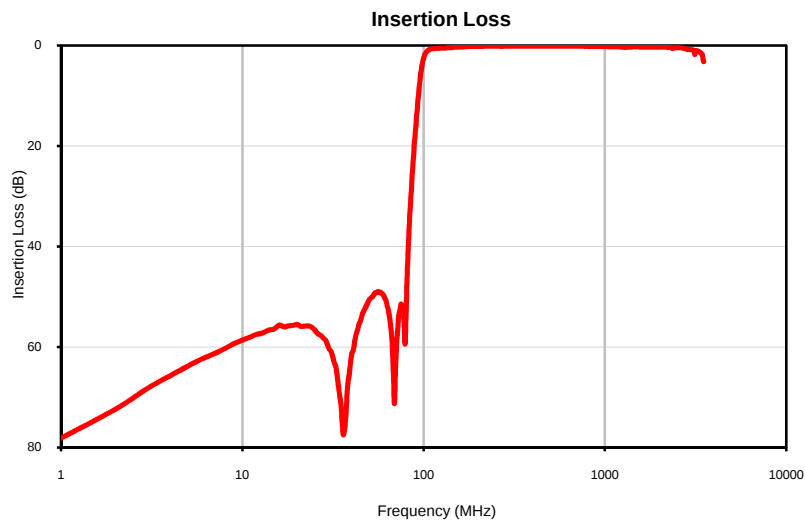
PIN CONNECTIONS

Input	SMA Male
Output	SMA Female

Typical Performance Data

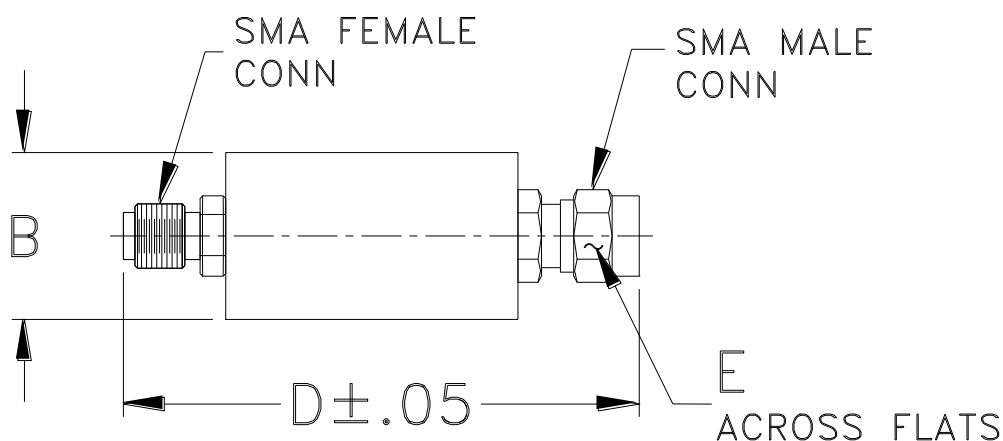
FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1	78.11	0.00	110	14.98
10	58.59	0.00	200	2.26
50	50.65	0.06	300	1.03
70	64.23	0.21	400	0.69
85	30.08	0.69	500	0.54
89	19.41	1.04	700	0.42
99	3.06	6.25	800	0.38
100	2.45	7.45	900	0.37
110	0.70	17.35	1000	0.35
200	0.16	27.31	1200	0.33
450	0.13	27.01	1300	0.32
600	0.13	40.49	1400	0.32
750	0.15	29.14	1500	0.32
900	0.18	24.17	1600	0.32
1000	0.20	22.33	1700	0.31
1250	0.33	19.79	1800	0.32
1600	0.28	19.65	2000	0.32
1750	0.30	19.74	2100	0.32
1900	0.31	20.11	2200	0.32
2200	0.35	20.67	2300	0.33
2500	0.41	17.64	2500	0.33
2750	0.58	14.52	2700	0.34
2900	0.76	13.39	2900	0.33
3000	0.81	12.29	3000	0.36

Typical Performance Curves



FF56
FF99

Outline Dimensions



CASE #.	A	B	C	D	E	WT GRAMS
FF56	--	.46 (11.68)	--	1.70 (43.18)	.312 (7.92)	18.0
FF99	--	.70 (17.78)	--	1.98 (50.29)		42.0

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

Notes:

1. Case material: Brass.
2. Case finish: Nickel plate.