Engineering Development Model

High Pass Filter ZX75HP-EDU2569+

Coaxial

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.

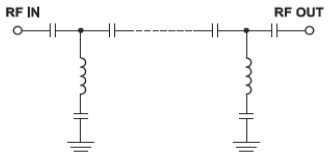
Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : HY1239

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1.5 dB)	400	-	3500	MHz
Insertion loss 3 dB	-	376	-	MHz
Stopband (Loss > 25 dB)	1	-	200	MHz
Stopband (Loss > 30 dB)	200	-	350	MHz
Passband VSWR	-	1.57	-	(: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	1W

PIN CONNECTIONS

Input	SMA FEMALE
Output	SMA FEMALE

+RoHS Compliant
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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Typical Performance Data

Connectored

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	(nsec)
1.00	74.57	0.03	400.0	6.55
30.00	40.89	0.00	450.0	2.71
150.00	31.85	0.03	560.0	1.23
200.00	36.52	0.07	620.0	0.96
250.00	46.40	0.12	700.0	0.75
300.00	38.08	0.24	860.0	0.55
350.00	44.51	0.66	920.0	0.51
354.00	32.01	0.77	980.0	0.47
360.00	20.46	1.07	1000.0	0.46
370.00	7.41	3.26	1260.0	0.38
376.00	2.98	8.72	1400.0	0.36
400.00	0.75	19.39	1520.0	0.35
1000.00	0.18	24.07	1560.0	0.34
1200.00	0.18	23.96	1620.0	0.33
1500.00	0.20	23.41	1680.0	0.33
1620.00	0.21	22.59	1720.0	0.33
2000.00	0.26	19.49	1760.0	0.33
2220.00	0.29	17.82	2000.0	0.31
2500.00	0.34	16.16	2500.0	0.29
3000.00	0.40	14.83	3000.0	0.28
3500.00	0.38	15.98	3200.0	0.29
4500.00	0.35	31.70	3500.0	0.29

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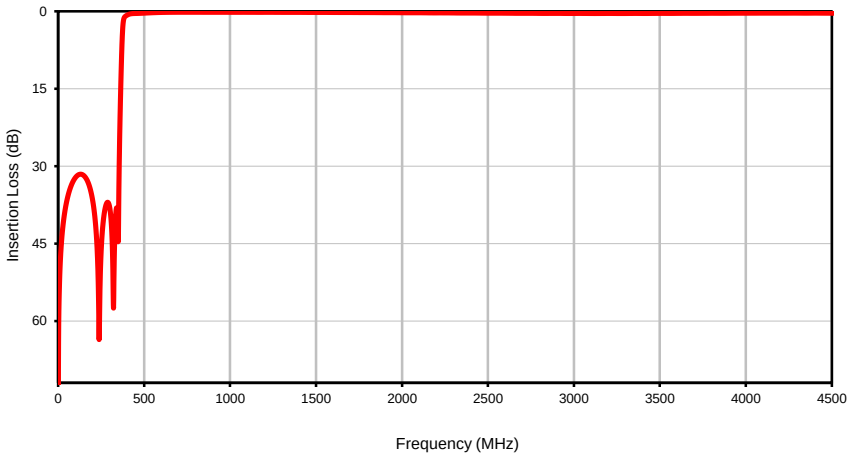
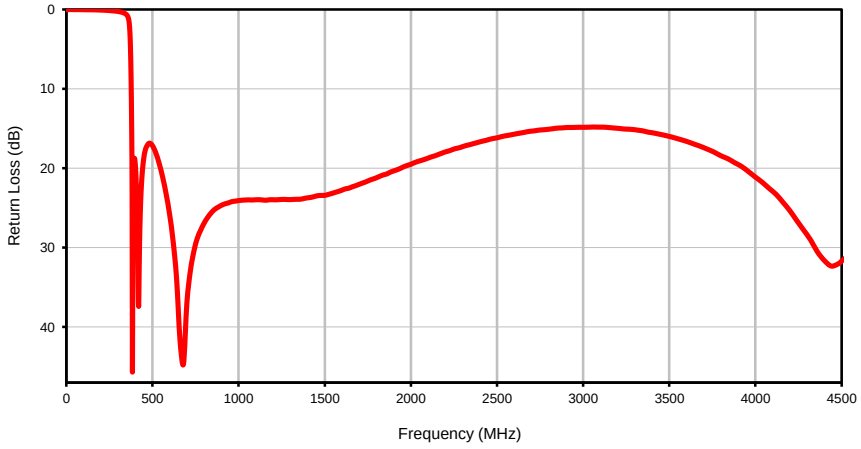
Typical Performance Curves

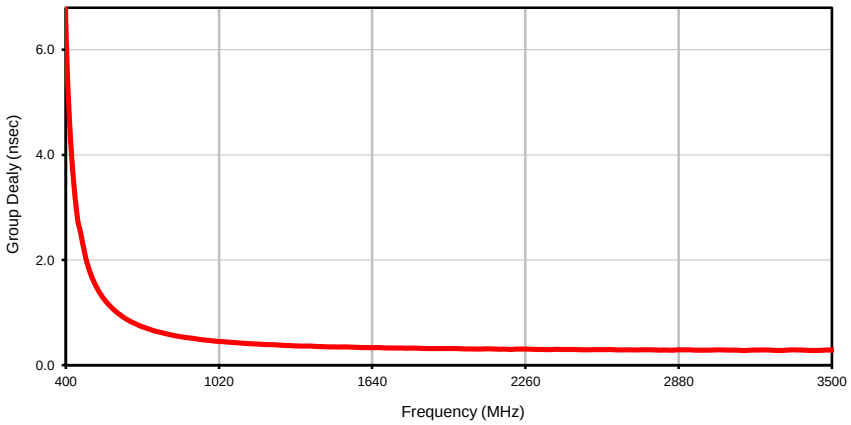
Insertion Loss



Return Loss



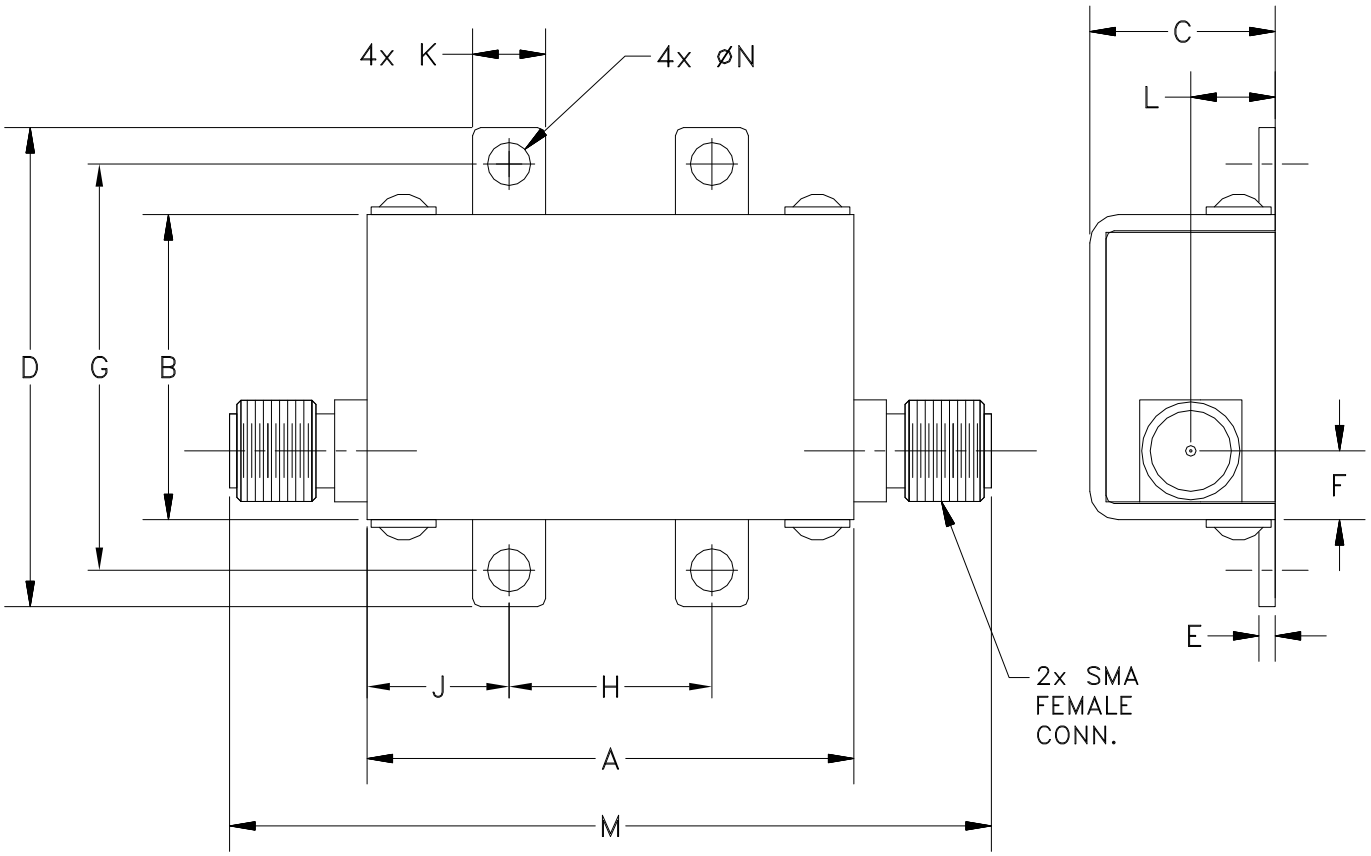
Group Delay



Case Style HY

Outline Dimensions

HY1239



CASE #.	A	B	C	D	E	F	G	H	J	K	L	M	N	WT GRAMS
HY1239	1.20 (30.48)	.75 (19.05)	.46 (11.68)	1.18 (29.97)	.04 (1.02)	.17 (4.32)	1.00 (25.40)	.50 (12.70)	.35 (8.89)	.18 (4.57)	.21 (5.28)	1.88 (47.75)	.106 (2.69)	35.0

Dimensions are in inches (mm). Tolerances: 2Pl. ± .03; 3Pl. ± .015
Tolerance on hole size and interaxes dimensions to be ± .005.

Note:

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

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