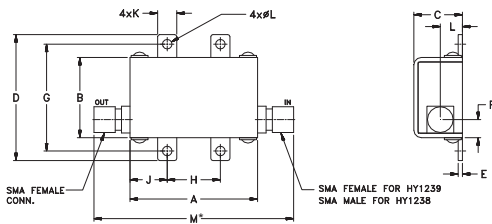


SMA Connectors		Model	Case
INPUT	OUTPUT		
FEMALE	FEMALE	ZX75-12-S+	HY1239
MALE	FEMALE	ZX75-12M-S+	HY1238

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

Permanent damage may occur if any of these limits are exceeded.

- High rejection applications
- Image rejection
- IF signal processing
- Receivers / Transmitters
- Test Lab

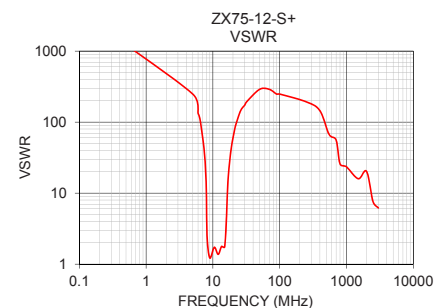
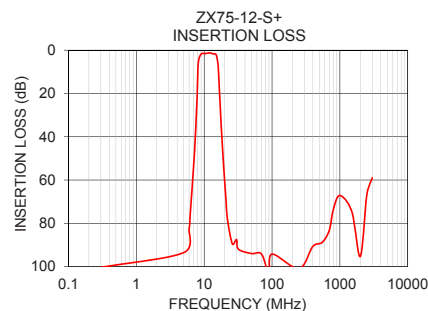


* M dimension is 2.05 inch (52.07 mm) for HY1238 Case Style.

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 3.5dB)	STOPBANDS (MHz)				VSWR (:1)		
		Loss > 20dB		Loss > 40dB		Passband		Stopband
F _c	F1 - F2	F3	F4	F5	F6	Typ.	Max.	Typ.
12	9 - 15	7.5	18	7	20 - 3000	1.5	2.2	30

The graph plots Insertion Loss in decibels (dB) against Frequency in Megahertz (MHz). The curve features a central passband with low insertion loss between frequencies F1 and F2. Outside this band, the insertion loss increases significantly. Specifically, there are sharp nulls (points of zero loss) at frequencies F3 and F4, which are located within the stopbands. Frequencies F5 and F6 are marked at the outer edges of the plotted range, showing higher insertion loss levels.

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.3	100.39	1737.18
7.0	53.30	62.05
7.5	36.73	35.46
8.0	14.55	9.74
8.2	5.51	2.37
8.5	3.45	2.36
9.0	1.85	1.22
11.0	1.31	1.40
12.0	1.26	1.37
13.0	1.59	1.77
15.0	2.09	1.75
15.7	4.10	2.81
16.0	6.58	4.66
16.6	15.51	11.77
18.0	37.07	30.49
20.0	60.12	59.91
100.0	94.22	248.17
1000.0	67.12	23.49
3000.0	59.03	6.19



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document. Performance specifications and performance data are limited to this specification document and are based on Mini-Circuits' applicable established test procedures and test results. For more information, please refer to the applicable test procedures and test results.

B. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCISStore/terms.

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