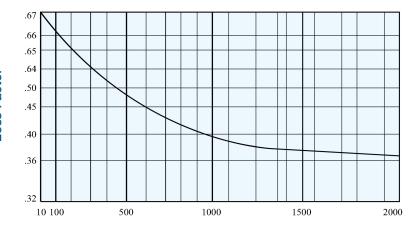




Specification	Standard	*Special		
Electrical				
Cut-off Frequency (Fco)	10 to 2000 MHz	10 to 2000 MHz 1 to 3000 MHz		
Number of Sections Available	3 to 6	2 to 10		
Nominal Impedance	50	50 to 100		
Maximum Insertion Loss	See Curve	See Curve		
Maximum VSWR (Fco. to 3 Fco.)	1.5/1	1.3/1		
Attenuation in the Stopband	See Page 67	See Page 67		
Maximum Input Power (Average) (Watts to 10,000 ft.)	2	4		
Maximum Input Power (Peak) (Watts to 10,000 ft.)	20	40		
Environmental				
Shock	20 G's	G's 50 G's		
Vibration	10 G's	15 G's		
Humidity	90% relative	100% relative		
Altitude	Unlimited	Unlimited		
Temperature Range (Operating)	-40°C to + 85°C	-55°C to + 125°C		
Temperature (Non-Operating)	-65°C to + 125°C	-65°C to + 125 °C		
Mechanical				
Approximate Weight in oz.	L x 5 + 10	L x 5 + 10		
Mounting Provisions	See Next Page	See Next Page		
Special Configurations	Consult Factory	Consult Factory		
*Contact Benchmark Lark Engineering for Special Configurations	Conduct dotory	Corrodit Factory		



Center Frequency (MHz)

Insertion Loss:

The maximum Insertion Loss at cutoff frequency is equal to:

 $LF \times N + 0.05dB$

LF = Loss Factor N = Number of Sections

Example:

A 3 section HMC with a cutoff frequency of 500 MHz would be:

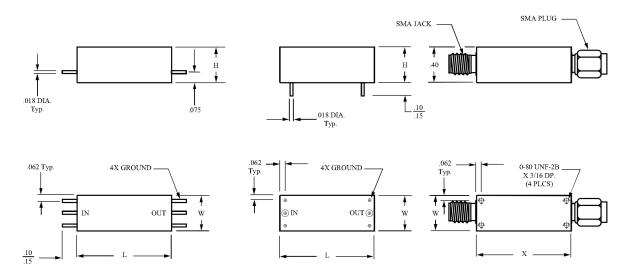
 $0.48 \times 3 = 1.44 + 0.05 = 1.5 dB$

Frequency Range	Number of Sections	W	Н	L	Х
10-100 MHz	2 to 3	0.55	0.40	1.00	1.25
	4 to 5	0.55	0.40	1.50	1.75
	6 to 7	0.55	0.40	1.75	2.00
101-300 MHz	2 to 3	0.44	0.40	0.75	1.00
	4 to 5	0.44	0.40	1.00	1.25
	6 to 7	0.44	0.40	1.50	1.75
301-3000 MHz	2 to 3	0.44	0.31	0.75	1.00
	4 to 5	0.44	0.31	0.75	1.00
	6 to 7	0.44	0.31	1.25	1.50

Over 7 sections- Consult Benchmark Lark Engineering

Note: All Standard Units with SMA Connectors are supplied H = 0.40"

Mechanical Specifications - HMC Series



Connectors Available on HMC Series

Туре	Туре
SMA Jack	Solder Pin Radial
SMA Plug	Special
Solder Din Avial	

The size shown is a standard used by Lark to facilitate low cost, easily reproduced units. Should you require another size, please submit all of your requirements, both electrical and mechanical, to Benchmark Lark Engineering. This will enable Lark to quote the optimum design for your application.

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