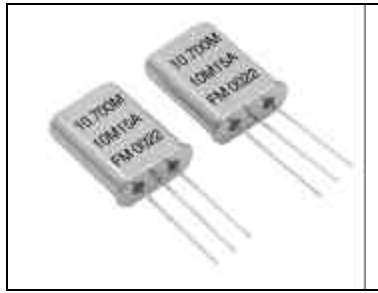


FMXFA SERIES

Monolithic Crystal Filters

HC-49/U



- 2 and 4 Poles
- 3 - Lead Packages
- Thru-Hole Packages
- Multiple Package Heights

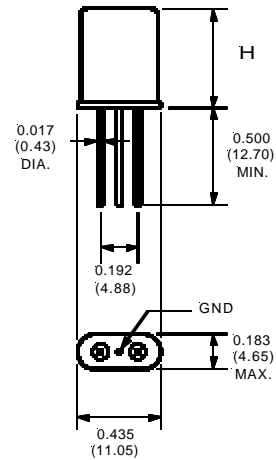
SPECIFICATIONS

Model	No. of Poles	Pass Band Width dB (kHz)	Attenuation Band Width dB (kHz)	Ripple dB	Insertion Loss dB	Guaranteed Attenuation dB	Terminating Impedance Ohms // pF	No. of Units
10M7.5A	2	3 (± 3.75)	20 (± 18)	0.5	20	30	15//50	1
10M7.5B	4	3 (± 3.75)	40 (± 21)	10	25	40	15//50	2
10M12A	2	3 (± 6.0)	18 (± 23)	0.5	20	20	25//25	1
10M12B	4	3 (± 6.0)	40 (± 20)	10	25	40	15//20	2
10M14A	2	3 (± 6.5)	18 (± 25)	0.5	15	30	24//19	1
10M15A	2	3 (± 7.5)	18 (± 25)	0.5	20	20	30//20	1
10M15B	4	3 (± 7.5)	40 (± 25)	10	25	50	30//20	2
10M20A	2	3 (± 10)	18 (± 34)	0.5	20	20	39//0	1
10M20B	4	3 (± 10)	40 (± 34)	1.0	25	40	39//0	2
10M30A	2	3 (± 15)	15 (± 50)	1.0	20	15	50//0	1
10M30B	4	3 (± 15)	25 (± 40)	0.5	25	30	55//1	2

* STANDARD PRODUCT LIST. CUSTOM PRODUCTS AVAILABLE UPON REQUEST.

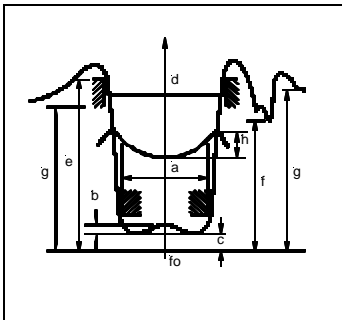
All specifications subject to change without notice.

HC-49/U



DIMENSION "H" TABLE

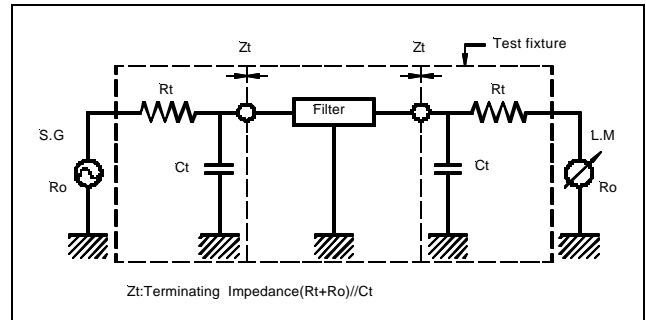
Package	Max. Height
A1	0.530" (13.46mm)
A2	0.456" (11.58mm)



Waveform

WAVEFORM TERMS

Item	Description
fo	Nominal Frequency
a	Pass Bandwidth
b	Ripple
c	Insertion Loss
d	Stop Bandwidth
e	Stop Band Atten.
f	Spurious Response
g	Guaranteed Atten.
h	Group Delay



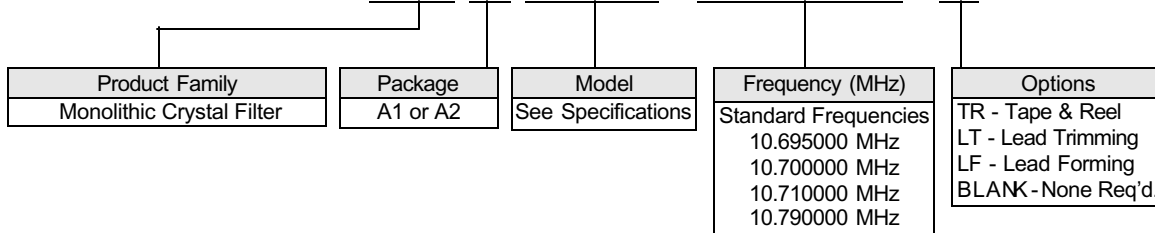
Test Circuit

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

PART NUMBERING SYSTEM

MARKING: See Page 56, Format A,

FMXF A1 10M15A - XX.XXXXXM - TR



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