

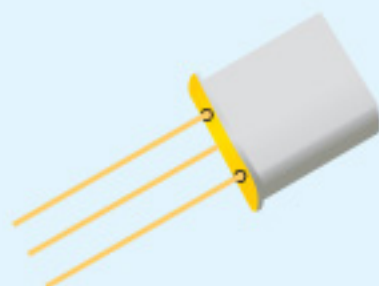
CRYSTAL FILTER



HUAFENG
CRYSTAL

MCF 10 MHz Series

- Monolithic crystal filter
- Compactness and light weight
- Stable temperature characteristics
- Outstanding vibration and shock resistant characteristics
- Amount of attenuation is high in the attenuating range

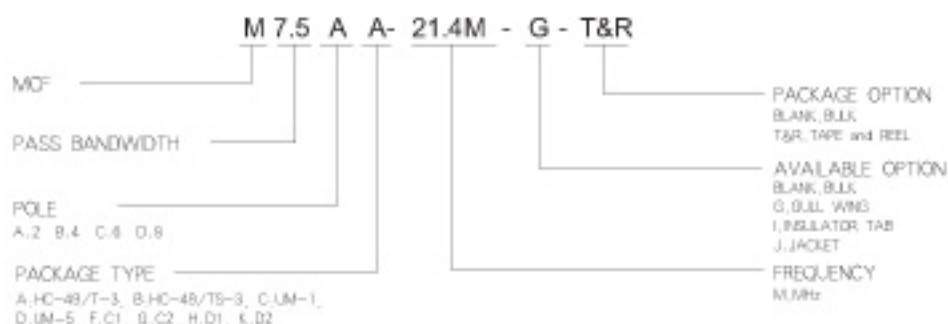


ELECTRICAL SPECIFICATIONS

Nominal frequency 10.695 / 10.700 / 10.710 / 17.900 MHz

Model	NO of pole	Pass Bandwidth (dB) (kHz)	Stop Bandwidth (dB) (kHz)	Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB)	Terminating Impedance (kΩ//pF)	Package
10M4D	8	6 ±2.0	80 ±5	2.0	4.0	90	0.9//10	D1
10M7.5A	2	3 ±3.75	20 ±18	0.5	2.0	30	1.5//5.0	49/T-3
10M7.5B	4	3 ±3.75	40 ±14	1.0	2.5	40	1.5//5.0	49/T-3×2
10M8B	4	3 ±4.0	40 ±15	1.0	2.5	40	1.5//6.0	49/TS-3×2
10M12A	2	3 ±6.0	18 ±23	0.5	2.0	20	2.5//2.5	49/T-3
10M12B	4	3 ±6.0	40 ±20	1.0	2.5	40	1.5//2.0	49/T-3×2
10M15A	2	3 ±7.5	18 ±25	0.5	2.0	20	3.0//2.0	49/T-3
10M15B	4	3 ±7.5	40 ±25	1.0	2.5	50	3.0//2.0	49/T-3×2
10M15C	6	3 ±7.5	60 ±25	2.0	3.0	65	3.0//1.5	C1
10M15D	8	3 ±7.5	90 ±25	2.0	4.0	80	3.0//1.5	D1
10M20A	2	3 ±10	18 ±34	0.5	2.0	20	3.0//1.5	49/T-3
10M20B	4	3 ±10	40 ±34	1.0	2.5	40	3.9//0	49/T-3×2
10M30A	2	3 ±15	15 ±50	1.0	2.0	15	3.9//0	49/T-3
10M30B	4	3 ±15	25 ±40	0.5	2.5	30	5.5//1	49/T-3×2
10M14A	2	3 ±6.5	18 ±25	0.5	1.5	30	2.4//1.9	49/T-3

PART NUMBERING GUIDE



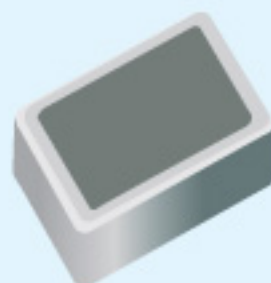
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DISCRETE CRYSTAL FILTERS

- Very narrow or very wide bandwidths available
- Flexibility in the choice of network topology
- Sharply asymmetrical single sideband performance
- Optimum flat group delay characteristic
- Data transmission/communication system

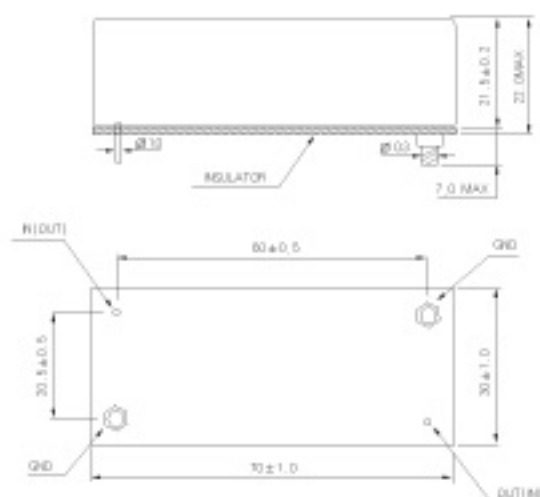


ELECTRICAL SPECIFICATIONS

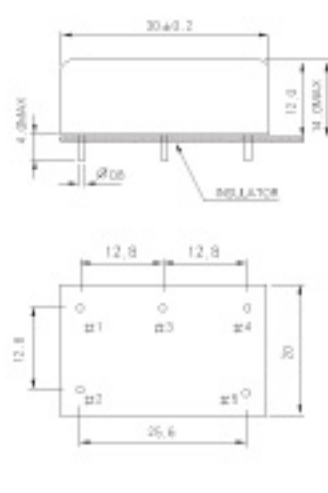
Model	Nominal Frequency (MHz)	Pass Bandwidth (dB) (kHz)	Stop Bandwidth (dB) (kHz)	Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB)	Terminating Impedance (Ω //pF)	Package
1.544 MT1	1.544	3 \pm 0.05	40 \pm 0.35	1.0	6.0	50	400//6	MT1
1.544 MT1	1.544	3 \pm 0.2	40 \pm 1.5	1.0	3.0	50	1000//1	MT1
2.048 MT1	2.048	3 \pm 0.4	40 \pm 2.0	1.0	3.0	50	1000//1	MT1
65.500 MT2	65.500	3 \pm 7.5	50 \pm 50	1.0	6.0	50	50	MT2
65.536 MT2	65.536	3 \pm 15.0	40 \pm 90	1.0	6.0	50	100	MT2

MECHANICAL DIMENSIONS

MT1



MT2



CONNECTION

- 65.536 MT2
- #1, #2 IN(OUT)
- #3 GND
- #4, #5 OUT(N)

- 65.500 MT2
- #1 IN(OUT)
- #2, #3, #5 GND
- #4 OUT(N)