



MONOLITHIC CRYSTAL FILTER FOR UHF MOBILE RADIOS - MUHF Series

FEATURES

- RoHS Compliant (Pb-Free), Image Frequency (F0 - 910 kHz) can be Attenuated over 70 dB
- Excellent Vibration Resistance and Shock Resistance
- Outstanding Temperature Characteristics
- Compact, Lightweight, Optional Formed Leads for Surface Mounting

SPECIFICATIONS

Model	Nominal Frequency (MHz)	Pass Bandwidth (dB) (kHz)	Stop Bandwidth (dB) (kHz)	Ripple (dB)	Insertion Loss (dB)	Guaranteed Attenuation (dB/kHz)	Terminating Impedance (kOhms/pF)	Case Style	No. of Poles
45M7.5A	45.000	3 ±3.75	10 ±12.5	1.0	2.0	65 / -910	0.35 // 10.5	UM1-3	2
45M7.5B	45.000	3 ±3.75	30 ±12.5	1.0	4.0	90 / ±910	0.35 // 6.5	UM1-3X2	4
45M20A	45.000	3 ±10	15 ±30	0.5	2.0	65 / -910	0.91 // 2.5	UM1-3	2
45M20B	45.000	3 ±10	35 ±40	1.0	3.0	90 / ±910	0.91 // 2.5	UM1-3X2	4
45M30A	45.000	3 ±15	15 ±50	1.0	2.0	70 / -910	1.2 // 1.5	UM1-3	2
45M30B	45.000	3 ±15	35 ±50	1.0	3.0	90 / ±910	1.2 // 0.7	UM1-3x2	4
55M30A	55.000	3 ±15	15 ±50	1.0	2.0	70 / -910	1.2 // 1.5	UM1-3	2
55M30B	55.000	3 ±15	30 ±50	1.0	2.0	90 / ±910	1.2 // 0.7	UM1-3x2	4
90M20A	90.000	3 ±10	15 ±30	1.0	2.5	35 / -910	2.5 // -1.0	UM1-3	2
90M20B	90.000	3 ±10	30 ±30	1.0	4.0	70 / ±910	2.5 // -1.0	UM1-3x2	4

Typical Part Number M - Pass Bandwidth - Pole (A:2; B:4) - Case Style - Frequency - Others - Package Option

P/N Example M30B-UM1-3-45M000: Model 45M30B Monolithic Crystal Filter in UM1-3 Package; Nominal frequency 45.000 MHz; Pass bandwidth ±15 kHz; 4 Poles

OUTLINE DRAWING

