

### ■ M21M07A ~ M45M30A

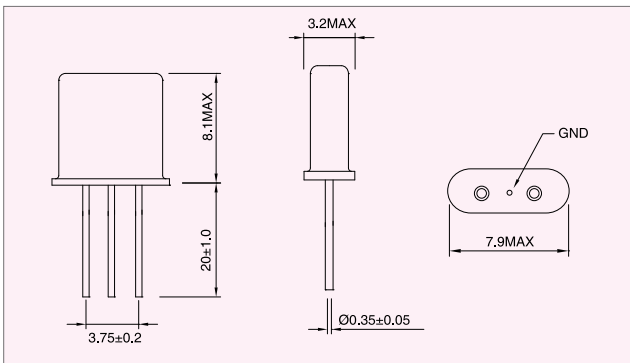
- Monolithic crystal filter
- Compactness and light weight
- Stable temperature characteristics
- Outstanding vibration and shock resistant characteristics
- Amount of attenuation is high in the attenuating range

### ■ Standard Specification

Model UM-1	Model UM-5	Nominal Frequency MHZ	Pass Band Width KHz/dB	Stop Band Width KHz/dB	Ripple dB	Insertion Loss dB	Terminal Impedance Rt/Ct [ Ω/pF ]	Mode	Pole
M21M07A	K21M07A	21.400	±3.75/3	±14/18	0.5	1.5	850//7.0	Fund	2
M21M09A	K21M09A	21.400	±4.50/3	±12.5/14	0.5	1.5	850//7.0	Fund	2
M21M12A	K21M12A	21.400	±6.00/3	±20/15	0.5	1.5	1200//2.5	Fund	2
M21M15A1	K21M15A1	21.400	±7.50/3	±25/18	0.5	1.5	1500//3.0	Fund	2
M21M15A2	K21M15A2	21.400	±7.50/3	±30/18	0.5	2.0	1500//3.0	Fund	2
M21M15A3	K21M15A3	21.400	±7.50/3	±30/18	0.5	2.5	1500//2.0	Fund	2
M21M20A	K21M20A	21.400	±10.0/3	±25/10	0.5	1.5	1800//1.5	Fund	2
M21M30A	K21M30A	21.400	±15.0/3	±45/15	0.5	1.5	3000//0.5	Fund	2
M21P07A	K21P07A	21.600	±3.75/3	±14/18	0.5	1.5	850//5.0	Fund	2
M21P12A	K21P12A	21.600	±6.00/3	±20/15	0.5	1.5	1200//2.5	Fund	2
M21P15A	K21P15A	21.600	±7.50/3	±25/18	0.5	1.5	1500//3.0	Fund	2
M21T07A1	K21T07A1	21.700	±3.75/3	±14/18	0.5	1.5	850//5.0	Fund	2
M21T07A2	K21T07A2	21.700	±3.75/3	±15/18	0.5	1.5	850//6.0	Fund	2
M21T09A	K21T09A	21.700	±4.50/3	±12.5/14	0.5	1.5	1500//4.0	Fund	2
M21T12A	K21T12A	21.700	±6.00/3	±20/15	0.5	1.5	1200//2.5	Fund	2
M21T15A	K21T15A	21.700	±7.50/3	±25/18	0.5	1.5	1500//3.0	Fund	2
M21T20A	K21T20A	21.700	±10.0/3	±25/10	0.5	1.5	1800//1.5	Fund	2
M21T30A	K21T30A	21.700	±15.0/3	±45/15	0.5	1.5	3000//0.5	Fund	2
M21S07A	K21S07A	21.750	±3.75/3	±25/18	0.5	1.5	1500//3.0	Fund	2
M23M07A	K23M07A	23.050	±3.75/3	±12.5/16	0.5	1.5	1600//5.0	Fund	2
M23M15A	K23M15A	23.050	±7.50/3	±25/18	0.5	1.5	1500//3.0	Fund	2
M30M15A	K30M15A	30.875	±7.50/3	±25/15	0.5	1.5	800//6.0	Fund	2
M45M07A	K45M07A	45.000	±3.5/3	±12.5/10	0.5	1.5	510//5.5	Fund	2
M45M15A	K45M15A	45.000	±7.5/3	±25/14	0.5	1.5	550//3.0	Fund	2
M45M30A	K45M30A	45.000	±15/3	±50/10	0.5	1.5	510//5.5	Fund	2

### ■ Dimensions (mm)

#### ■ UM-1



#### ■ UM-5

