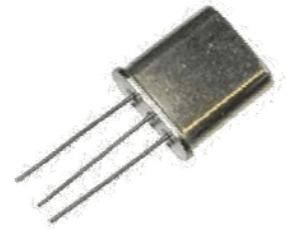


## Datasheet

### MONOLITHIC CRYSTAL FILTER - 21.4MHz & 45MHz Series

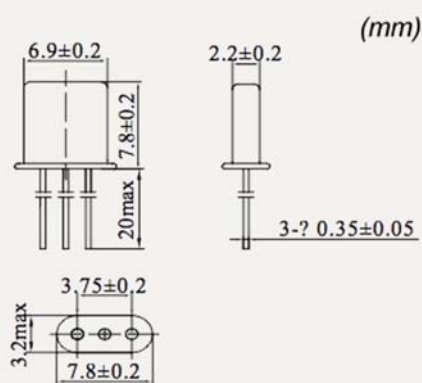
## FEATURES

- MCF 21.4MHz\45MHz Compactness and light weight UM-1, UM-5 Package
- Operates stably in operating temperature range
- Outstanding vibration and shock resistance characteristics

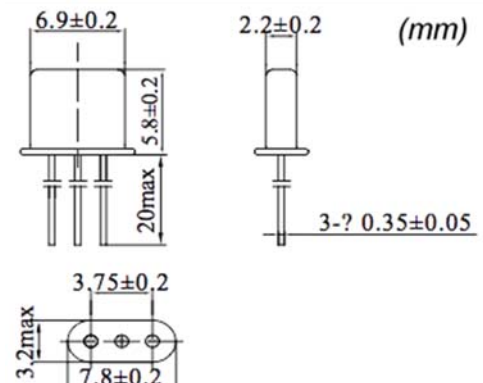


Part Number	Center Frequency (MHz)	Pole	Pass Band With		Ripple	Insertion Loss	Stop Bandwidth		Terminating Impedance	Holder
			dB	KHz	dB MAX	dB MAX	dB MAX	KHz MAX	Ω//PF	
21M7A	21.4	2	3	±3.75	0.5	1.5	20	±18	850//6	UM-1
21M15A	21.4	2	3	±7.5	1.0	2.0	18	±25	1500//2.5	UM-1
21M30A	21.4	2	3	±15	1.0	2.0	15	±45	1500//1.0	UM-1
21M7B	21.4	4	3	±3.75	1.0	2.5	40	±14	850//5	(UM-1) ×2
21M15B	21.4	4	3	±7.5	1.0	2.0	40	±25	1500//1.0	(UM-1) ×2
21M30B	21.4	4	3	±15	1.0	2.0	40	±50	2000//0.5	(UM-1) ×2
45M15A	45	2	3	±7.5	1.0	2.5	15	±25	470//5	UM-1 UM-5
45M50A	45	2	3	±25	1.0	2.5	15	±100	2000	UM-1 UM-5
45M15B	45	4	3	±7.5	1.0	3.0	30	±25	470//5	UM-1 ×2
45M50B	45	4	3	±25	2.0	3.0	35	±100	2000	UM-1 ×2

## OUTLINE DRAWING



**UM-1**



**UM-5**