

■ **Feature**

- Compact and Light Weight

■ **Specification**

**1. 10.7MHz Series**

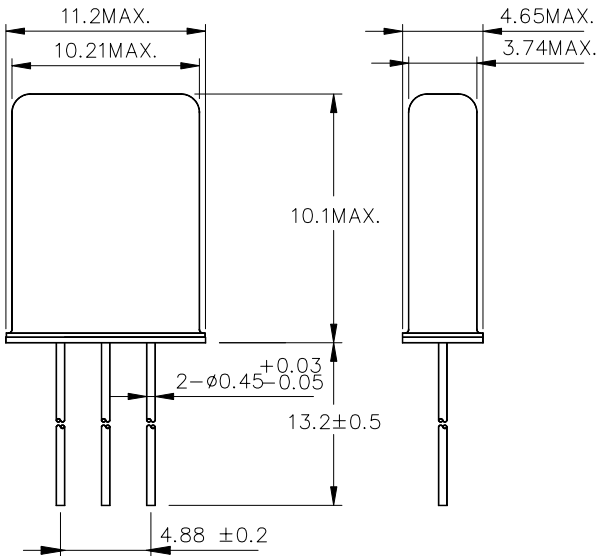
Model	Center Frequency (MHz)	Pole	Pass Bandwidth		Stop Bandwidth		Ripple (dB max.)	Insertion Loss (dB max.)	Terminating Impedance (Ω//pF)	Case	Test Circuit
			KHz(min.)	dB	KHz(max.)	dB					
10M08A	10.700	2	±3.75	3	±12.5	18	0.5	2.0	1.5K//5.0	49/T	Fig.3
10M08B	10.700	4	±3.75	3	±12.5	40	1.0	2.0	1.5K//3.0 (Cc=15pF)	49/T	Fig.4
10L08A	10.695	2	±3.75	3	±12.5	18	0.5	2.0	1.5K//5.0	49/T	Fig.3
10L08B	10.695	4	±3.75	3	±12.5	40	1.0	2.0	1.5K//3.0 (Cc=15pF)	49/t	Fig.4
10M15A	10.700	2	±7.50	3	±25.0	18	0.5	2.0	3.0K//1.0	49/T	Fig.3
10M15B	10.700	4	±7.50	3	±25.0	40	1.0	2.0	3.0K//1.0 (Cc=5pF)	49/T	Fig.4
10L15A	10.695	2	±7.50	3	±25.0	18	0.5	2.0	3.0K//1.0	49/T	Fig.3
10L15B	10.695	4	±7.50	3	±25.0	40	1.0	2.0	3.0K//1.0 (Cc=5pF)	49/T	Fig.4

**2. 21.4MHz Series(21.7MHz Available)**

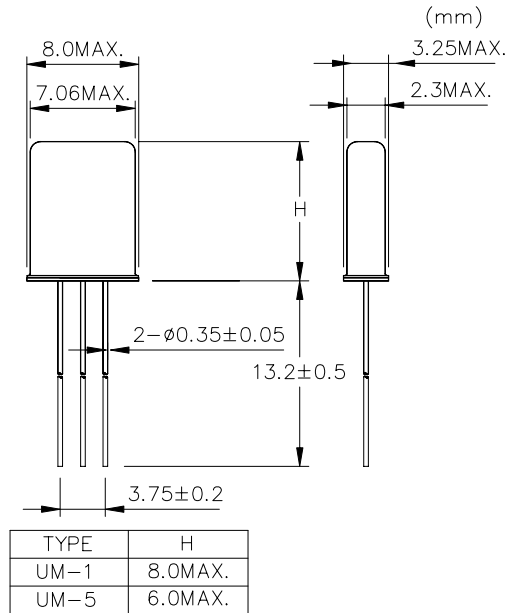
Model	Center Frequency (MHz)	Pole	Pass Bandwidth		Stop Bandwidth		Ripple (dB max.)	Insertion Loss (dB max.)	Terminating Impedance (Ω//pF)	Case	Test Circuit
			KHz(min.)	dB	KHz(max.)	dB					
21M08AU	21.400	2	±3.75	3	±15.0	18	0.5	2.0	850//6.0	UM-1	Fig.3
21M08AU5	21.400	2	±3.75	3	±15.0	18	0.5	2.0	850//6.0	UM-5	Fig.3
21M08BU	21.400	4	±3.75	3	±12.5	35	1.0	2.0	900//2.0 (Cc=14pF)	UM-1	Fig.4
21M12AU	21.400	2	±6.00	3	±22.0	18	0.5	2.0	910//3.0	UM-1	Fig.3
21M12BU	21.400	4	±6.00	3	±20.0	40	1.0	2.0	1.5K//2.0 (Cc=9pF)	UM-1	Fig.4
21M15AU	21.400	2	±7.50	3	±25.0	18	0.5	2.0	1.5K//2.5	UM-1	Fig.3
21M15BU	21.400	4	±7.50	3	±25.0	40	1.0	2.0	1.5K//1.0 (Cc=6pF)	UM-1	Fig.4
21M15AU5	21.400	2	±7.50	3	±25.0	18	0.5	2.0	1.5K//2.5	UM-5	Fig.3



■ **Package Details**

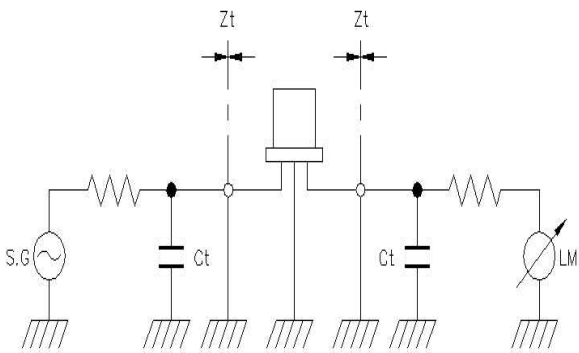


**Figure 1 49/T Package**

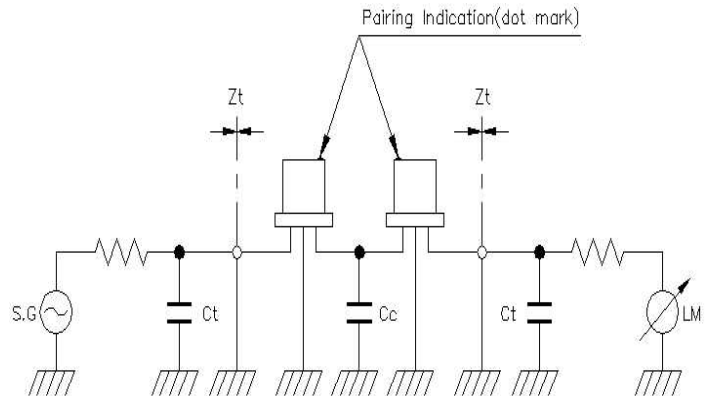


**Figure 2 UM Series Package**

■ **Test Circuits**

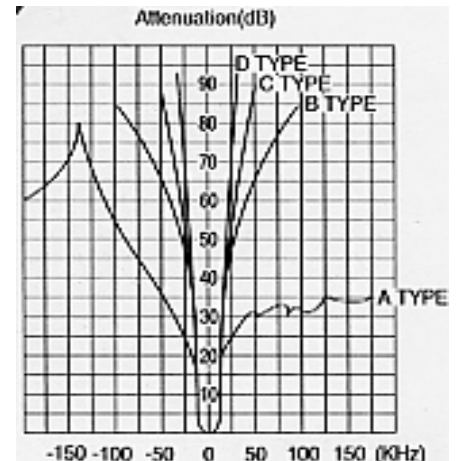
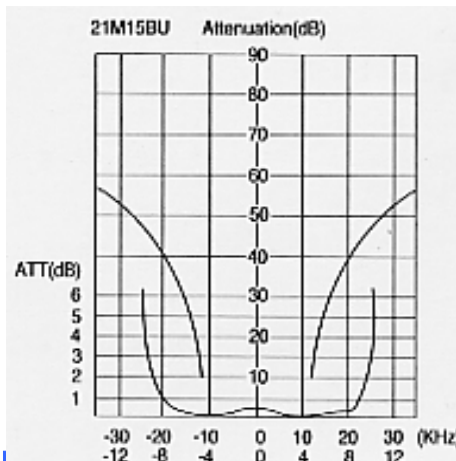
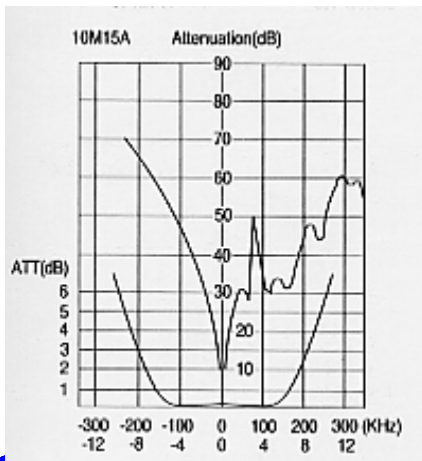


**Figure 3**



**Figure 4**

■ **Wave Forms**



■ **Terms and Definitions**

**Center Frequency** : A frequency given in the specification.

**Pass Band Width** : Frequency bands(KHz) where attenuation is equal to or below specified figure(dB)  
In pass band.

**Stop Band Width** : Frequency bands(KHz) where attenuation are equal to or bigger specified figure(dB)  
In pass band.

**Insertion Loss** : Load(dB) defined logarithmic ratio of power transmitted to load before and after  
Insertion of filter.

**Ripple** : Difference(dB) between maximum and minimum attenuation in pass band.

**Attenuation Guaranteed** :  
Attenuation Guaranteed(dB) at specified frequency range.

**Spurious** : Attenuation(dB) caused by wild response in stop band.

**Group Delay Distortion** :  
Difference( $\mu$ sec) between maximum and minimum group delay in pass band.

**Terminating Impedance** :  
Impedance terminating to source side and load side of filter, described by resistance( $\Omega$ )  
and parallel capacitance(pF).

