

## MONOLITHIC CRYSTAL FILTER (UM-1, UM-5)

### FEATURES:

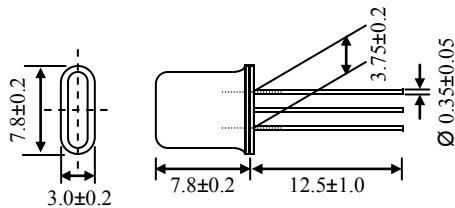
- LOW IMPEDANCE
- COMPACTNESS AND LIGHT WEIGHT
- STABLE TEMPERATURE CHARACTERISTICS
- OUTSTANDING VIBRATION AND SHOCK RESISTANT CHARACTERISTICS



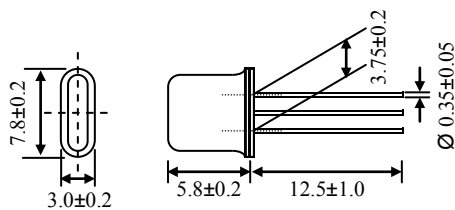
PART NUMBER	NOMINAL FREQUENCY	PASS BANDWIDTH		STOP BANDWIDTH		RIPPLE (dB)	INSERTION LOSS (dB)	TERMINAL IMPEDANCE Rt // Ct (Ω/pF)	OPERATING TEMP. RANGES (°C)
	(MHz)	(dB)	(KHz)	(dB)	(KHz)				
<b>2 POLE (FUNDAMENTAL: 15.00MHz ~ 45.00MHz) - Please contact Sales Associate for custom/higher frequency.</b>									
21407A	21.400	3	± 3.75	18	± 14.00	0.5	1.5	850 // 5.0	-20 ~ +70
21409A	21.400	3	± 4.50	14	± 12.50	0.5	1.5	1500 // 4.0	-20 ~ +70
21412A	21.400	3	± 6.00	15	± 20.00	0.5	1.5	1200 // 2.5	-20 ~ +70
21415A	21.400	3	± 7.50	18	± 25.00	0.5	1.5	1500 // 3.0	-20 ~ +70
21420A	21.400	3	± 10.00	10	± 25.00	0.5	1.5	1800 // 1.5	-20 ~ +70
21430A	21.400	3	± 15.00	15	± 45.00	0.5	1.5	3000 // 0.5	-20 ~ +70
21607A	21.600	3	± 3.75	18	± 14.00	0.5	1.5	850 // 5.0	-20 ~ +70
21612A	21.600	3	± 6.00	15	± 20.00	0.5	1.5	1200 // 2.5	-20 ~ +70
21615A	21.600	3	± 7.50	18	± 25.00	0.5	1.5	1500 // 3.0	-20 ~ +70
21707A	21.700	3	± 3.75	18	± 14.00	0.5	1.5	850 // 5.0	-20 ~ +70
21709A	21.700	3	± 4.50	14	± 12.50	0.5	1.5	1500 // 4.0	-20 ~ +70
21712A	21.700	3	± 6.00	15	± 20.00	0.5	1.5	1200 // 2.5	-20 ~ +70
21715A	21.700	3	± 7.50	18	± 25.00	0.5	1.5	1500 // 3.0	-20 ~ +70
21720A	21.700	3	± 10.00	10	± 25.00	0.5	1.5	1800 // 1.5	-20 ~ +70
21730A	21.700	3	± 15.00	15	± 45.00	0.5	1.5	3000 // 0.5	-20 ~ +70
23007A	23.050	3	± 3.75	16	± 12.50	0.5	1.5	1600 // 5.0	-20 ~ +70
23015A	23.050	3	± 7.50	18	± 25.00	0.5	1.5	1500 // 3.0	-20 ~ +70
30815A	30.875	3	± 7.50	15	± 25.00	0.5	1.5	800 // 6.0	-20 ~ +70
45007A	45.000	3	± 3.75	14	± 25.00	0.5	1.5	510 // 5.5	-20 ~ +70
45015A	45.000	3	± 7.50	10	± 50.00	0.5	1.5	550 // 3.0	-20 ~ +70
45030A	45.000	3	± 15.00	15	± 50.00	0.5	1.5	1200 //	-20 ~ +70

### ■ PACKAGE DIMENSIONS

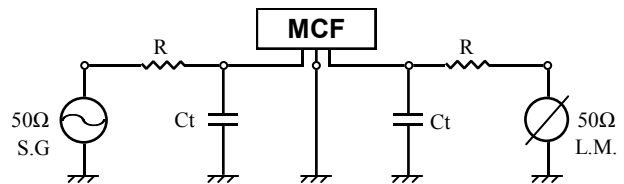
#### UM-1



#### UM-5



### ■ TEST CIRCUIT



R = Rt - 50 Ω  
R.Ct: Terminal Impedance

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