

MONOLITHIC CRYSTAL FILTER (HC-49U, HC-49T)

FEATURES:

- COMPACTNESS AND LIGHT WEIGHT
- OUTSTANDING VIBRATION AND SHOCK RESISTANT CHARACTERISTICS
- EXCELLENT DESIGN AGAINST SHOCK/VIBRATION
- OPERATES STABLY EVEN IN WIDE TEMPERATURE RANGE

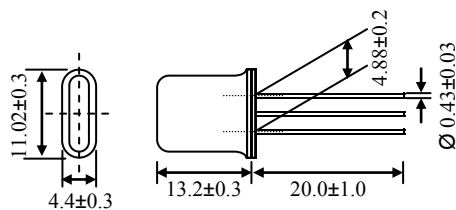


PART NUMBER	NOMINAL FREQUENCY	PASS BANDWIDTH		STOP BANDWIDTH		RIPPLE	INSERTION LOSS	TERMINAL IMPEDANCE	OPERATING TEMP. RANGES
	(MHz)	(dB)	(KHz)	(dB)	(KHz)	(dB)	(dB)	Rt // Ct (Ω /pF)	(°C)
2 POLE (FUNDAMENTAL: 10.00MHz ~ 15.00MHz) - Please contact Sales Associate for custom/higher frequency									
106T7A	10.695	3	± 3.75	20	± 20	0.5	2.0	1800 // 5.0	-20 ~ +70
106T15A	10.695	3	± 7.50	18	± 25	0.5	2.0	3000 // 2.0	-20 ~ +70
10T7A	10.700	3	± 3.75	20	± 18	0.5	2.0	1800 // 5.0	-20 ~ +70
10T12A	10.700	3	± 6.00	18	± 20	0.5	2.0	3000 // 3.0	-20 ~ +70
10T15A	10.700	3	± 7.50	18	± 25	0.5	2.0	3000 // 2.0	-20 ~ +70
10T30A	10.700	3	± 15.00	18	± 50	0.5	2.0	5500 // -1.0	-20 ~ +70

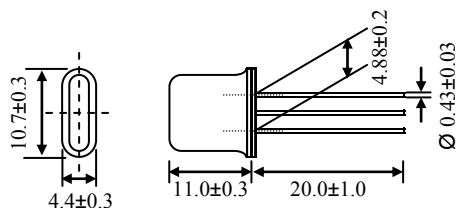
PART NUMBER	NOMINAL FREQUENCY	PASS BANDWIDTH		STOP BANDWIDTH		RIPPLE	INSERTION LOSS	TERMINAL IMPEDANCE	OPERATING TEMP. RANGES
	(MHz)	(dB)	(KHz)	(dB)	(KHz)	(dB)	(dB)	Rt // Ct //Cc (Ω /pF/pF)	(°C)
4 POLE (FUNDAMENTAL: 10.00MHz ~ 15.00MHz) - Please contact Sales Associate for custom/higher frequency									
10T7B	10.700	3	± 3.75	40	± 14	1.0	2.5	1800 // 4.0 // 12	-20 ~ +70
10T12B	10.700	3	± 6.00	40	± 20	1.0	2.5	2800 // 1.5 // 7.0	-20 ~ +70
10T15B	10.700	3	± 7.50	40	± 25	1.0	2.5	3000 // 1.0 // 5.0	-20 ~ +70
10T20B	10.700	3	± 10.00	40	± 34	2.0	2.5	3900 // 0.0 // 0.0	-20 ~ +70
10T30B	10.700	3	± 15.00	40	± 50	1.0	2.5	5500 // -1.0 // 0.0	-20 ~ +70

PACKAGE DIMENSIONS

HC-49U

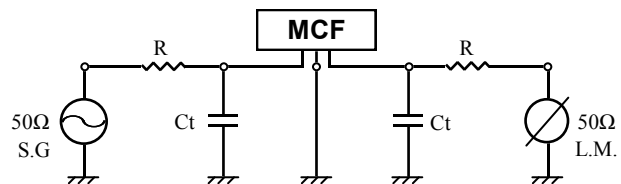


HC-49T

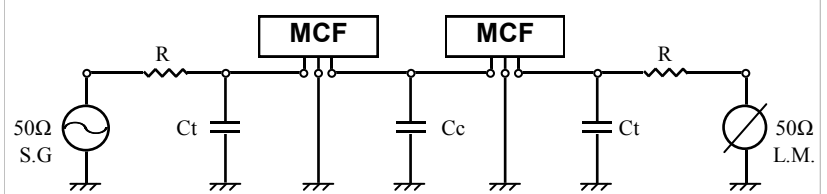


TEST CIRCUIT

2POLE



4POLE



$R = R_t - 50 \Omega$
 R.Ct: Terminal Impedance
 Cc: Combined Capacitance

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