

CRYSTAL FILTER



HC - 49T 2POLE (Fund; 10MHz 15MHz)

Model	Nominal Frequency	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Terminal Impedance	Operating Temp Range
	[MHz]	[dB]	[KHz]	[dB]	[KHz]	[dB]	[dB]	Rt//Ct[Ω/pF]	[°C]
10M07A	10.700	3	±3.75	20	±18.00	0.5	2.0	1800//5	-20~+70
10M12A	10.700	3	±6.00	18	±20.00	0.5	2.0	3000//3	-20~+70
10M15A	10.700	3	±7.50	18	±25.00	0.5	2.0	3000//2	-20~+70
10M30A	10.700	3	±15.00	18	±50.00	0.5	2.0	5500//1	-20~+70

Model	Nominal Frequency	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Terminal Impedance	Operating Temp Range
	[MHz]	[dB]	[KHz]	[dB]	[KHz]	[dB]	[dB]	Rt//Ct//Cc[Ω/pF/pF]	[°C]
10M07B	10.700	3	±3.75	40	±14.00	1.0	2.5	1800//4//12	-20~+70
10M12B	10.700	3	±6.00	40	±20.00	1.0	2.5	2800//1.5//7	-20~+70
10M15B	10.700	3	±7.50	40	±25.00	1.0	2.5	3000//1//5	-20~+70
10M30B	10.700	3	±15.00	40	±50.00	1.0	2.5	5500//1//0	-20~+70

UM TYPE 4POLE (Fund ; 15MHz 60MHz, 3rd; 45MHz 90MHz)

Model	Nominal Frequency	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Terminal Impedance	Operating Temp Range
	[MHz]	[dB]	[KHz]	[dB]	[KHz]	[dB]	[dB]	Rt//Ct//Cc[Ω/pF/pF]	[°C]
21P07B	21.600	3	±3.75	40	±14.00	1.0	2.0	850//5//16	-20~+70
21P12B	21.600	3	±6.00	40	±20.00	1.0	2.0	1200//2.5//10.5	-20~+70
21P15B	21.600	3	±7.50	40	±25.00	1.0	2.0	1500//2//8	-20~+70
21T07B	21.700	3	±3.75	40	±14.00	1.0	2.0	850//5//16	-20~+70
21T12B	21.700	3	±6.00	40	±20.00	1.0	2.0	1200//2.5//10.5	-20~+70
21T15B	21.700	3	±7.50	40	±25.00	1.0	2.0	1500//2//8	-20~+70
21T30B	21.700	3	±15.00	40	±50.00	1.0	2.0	3300//0.5//3	-20~+70
30M15B	30.875	3	±7.50	40	±25.00	1.0	2.5	800//4//12	-20~+70
45M15B	45.000	3	±7.50	40	±25.00	1.0	2.5	650//3//10	-20~+70
45M30B	45.000	3	±15.00	30	±40.00	1.0	2.5	800//1.5//7	-20~+70
55M09B	55.000	3	±4.50	50	±25.00	1.0	2.5	220//7//23	-20~+70

Unit(mm)

	A	B	C	D	E	F
UM-1	7.8±0.2	3.0±0.2	7.8±0.2	12.5±1	∅ 0.35±0.05	3.75±0.2
UM-4	7.8±0.2	3.0±0.2	4.3±0.2	12.5±1	∅ 0.35±0.05	3.75±0.2
UM-5	7.8±0.2	3.0±0.2	5.8±0.2	12.5±1	∅ 0.35±0.05	3.75±0.2
HC-49/T	10.7±0.3	4.4±0.3	11.1±0.3	20.0±1	∅ 0.43±0.05-0.02	4.88±0.2