

10.7MHz SERIES MCF

Differs from general crystal filters and does not require a transformer so it can be made extremely compact and light. It also possesses excellent characteristics with the high Q of quartz crystals. This crystal filter is suitable principally for portable stations.

■ Features

- Compactness and light weight
- Operates stably even in wide temperature range.
- Outstanding vibration and shock resistant characteristics.

■ Attention on use

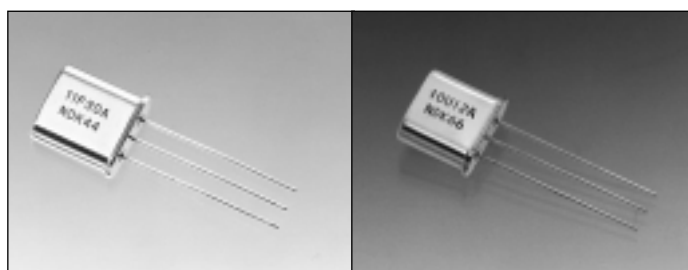
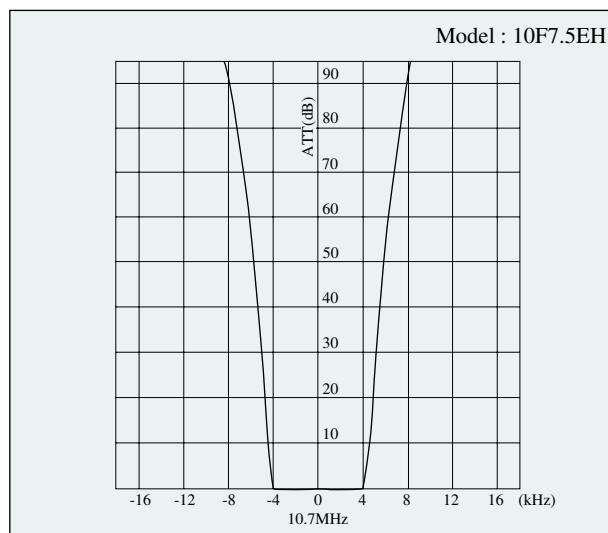
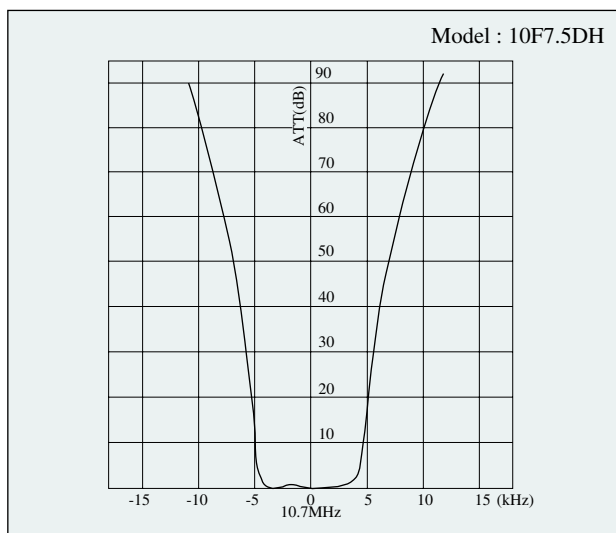
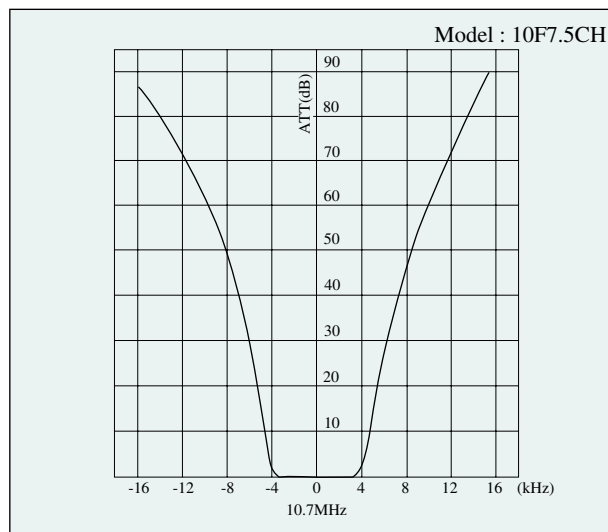
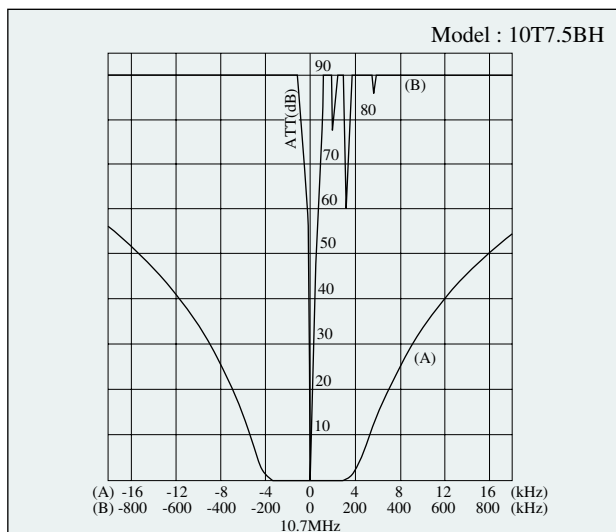
- Cannot be washed except for C, D, E types.

■ 10.7MHz Series

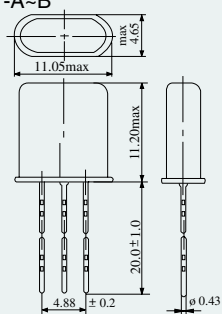
※ -40~+80°C (Available on request)

Model	Nominal Frequency (MHz)	Pole	Pass Band-width		Attenuation Bandwidth				Ripple (dB)	Insertion Loss (dB)	Terminating Impedance (k Ω // pF)	Operating Temp. Range *(°C)	Type	Weight (g)
			(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)						
10F7.5A	10.7	2	3	±3.75	18	±15	—	—	0.7	2	1.5//5	-20~+70	D-359-A	1
10T7.5BH	10.7	4	3	±3.75	40	±12.5	—	—	1	2.5	1.5//4.5 C _C =17pF	-20~+70	D-359-B	2
10F12A	10.7	2	3	±6	18	±23	—	—	0.5	2	2.3//3	-20~+70	D-359-A	1
10F12B	10.7	4	3	±6	40	±20	—	—	1	2.5	3//1.5 C _C =8.5pF	-20~+70	D-359-B	2
10T15AN	10.7	2	3	±7.5	18	±25	—	—	0.5	2	3//2.5	-20~+70	D-359-A	1
10T15BK	10.7	4	3	±7.5	40	±25	—	—	1	2.5	3//1.5 C _C =5pF	-20~+70	D-359-B	2
10F15C	10.7	6	6	±7.5	60	±22.5	—	—	2	3	3//0	-20~+70	D-151-C	7
10F15D	10.7	8	6	±7.5	60	±15	80	±20	2	4	3//0	-20~+70	D-151-D	8
10T20AL	10.7	2	3	±10	18	±34	—	—	0.5	2	3.9//1	-20~+70	D-359-A	1
10T20BA	10.7	4	3	±10	40	±34	—	—	1	2.5	3.9//0 C _C =2.0pF	-20~+70	D-359-B	2
10F20C	10.7	6	6	±10	60	±30	—	—	2	3	3.9//0	-20~+70	D-151-C	7
10F20D	10.7	8	6	±10	60	±20	80	±27	2	4	3.9//0	-20~+70	D-151-D	8
10F30A	10.7	2	3	±15	18	±50	—	—	0.5	2	5//—1	-20~+70	D-359-A	1
10F30B	10.7	4	3	±15	40	±50	—	—	1	2.5	5//—1.8 C _C =1pF	-20~+70	D-359-B	2
10F30C	10.7	6	6	±15	60	±45	—	—	2	2.5	5//—1.5	-20~+70	D-151-C	7
10F30D	10.7	8	6	±15	60	±30	80	±40	2	3	5//—1.5	-20~+70	D-151-D	8
10F7.5CH	10.7	6	3	±3.75	45	±8.75	65	±12.5	2	3	3.3//0	-20~+70	D-151-C	7
10F12CH	10.7	6	3	±6	50	±14	65	±20	2	2.5	3.3//0	-20~+70	D-151-C	7
10F15CH	10.7	6	3	±7.5	45	±17.5	65	±25	2	2.5	3.3//0	-20~+70	D-151-C	7
10F30CH	10.7	6	3	±15	45	±35	65	±50	2	2	5.6//—1.5	-20~+70	D-151-C	7
10F7.5DH	10.7	8	3	±3.75	65	±8.75	90	±12.5	2	4	3.3//0	-20~+70	D-151-D	8
10F12DH	10.7	8	3	±6	65	±14	90	±20	2	3.5	3.3//0	-20~+70	D-151-D	8
10F15DH	10.7	8	3	±7.5	65	±17.5	90	±25	2	3.5	3.3//0	-20~+70	D-151-D	8
10F30DH	10.7	8	3	±15	60	±35	80	±50	2	3.5	5.6//—1.5	-20~+70	D-151-D	8
10F7.5EH	10.7	10	3	±3.75	90	±8.75	—	—	2	5.5	3.3//0	-20~+70	D-151-E	9.5
10F12EH	10.7	10	3	±6	90	±14	—	—	2	4	3.3//0	-20~+70	D-151-E	9.5
10F15EH	10.7	10	3	±7.5	90	±17.5	—	—	2	4	3.3//0	-20~+70	D-151-E	9.5
10F30EH	10.7	10	3	±15	90	±35	—	—	2	4	5.6//—1.5	-20~+70	D-151-E	9.5
10U7.5A	10.7	2	3	±3.75	18	±18	—	—	0.5	2	1.8//4	-20~+70	D-351-A	1
10U12AA	10.7	2	3	±6	18	±22	—	—	0.5	2	2.3//3	-20~+70	D-351-A	1

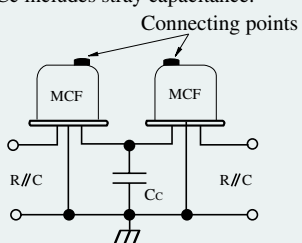
CRYSTAL FILTERS



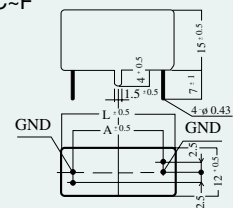
D-359-A~B (mm)
D-351-A~B



D-359-B means a pair of D-359-A.
D-351-B means a pair of D-351-A.
When D-359-B/D-351-B is used,
please use a coupling capacitance.
Cc includes stray capacitance.



D-151-C~F (mm)



Type	A	L
D-151-C	9.0	15.0
D-151-D	13.4	18.5
D-151-E	17.8	23.0
D-151-F	22.2	28.0