FOR SSB SYSTEM

SSB (Single Side Band) crystal filters are widely used in such fields as marine communication and amateur wireless communication. They are classified into conventional crystal filters and MCF crystal filters.

■ Features
- High selectability
- Stable temperature characteristics

■ Attentions on use
- It is not born washing expect for D, E type.

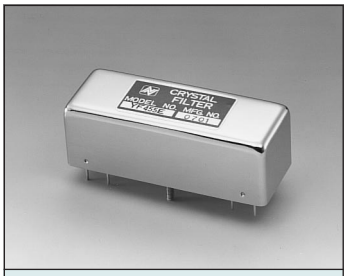
■ Conventional Crystal Filters

Model	Nominal Frequency (kHz)	Pole	Pass Bandwidth		Attenuation Bandwidth				Ripple	Insertion Loss	Terminating Impedance (Ω// pF)	Operating Temp. Range (°C)	Type	Weight
			(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)	(dB)	(dB)				(g)
YF453.5E	453.5	8	6	±1.2	20	±1.5	66	±2.1	3	6	4.7k//70	–10~+50	D-101	56
YF455E	455	8	6	±1.2	20	±1.5	66	±2.1	3	6	4.7k//70	–10~+50	D-101	56
YF455EB	455	8	6	±1.2	20	±1.5	66	±2.1	3	6	600//60	–10~+60	D-101	56
YF456.5E	456.5	8	6	±1.2	20	±1.5	66	±2.1	3	6	4.7k//70	–10~+50	D-101	56
YF575/2.4	575	8	6	±1.2	20	±1.5	66	±2.1	3	6	4.7k//70	–10~+50	D-101	56
YF600	598.5	8	6	+1.15 –1.2	16 20	+1.45 –1.5	60	+2.0 –1.9	3	6	3.9k//0	–15~+60	D-101	56
YF3998.5	3998.5	8	6	±1.2	25	±1.5	66	±2.1	3	6	2k//70	–10~+50	D-104	50
YF5000PA	4998.5	8	4	+1.15 –1.2	30	+1.5	60	+2.0 –1.9	2	4	500//0	–15~+60	D-109	50
YF5175CA	5175	8	6	±1.2	20	±1.5	66	±2.1	4	4	4.7k//20	–10~+65	D-104	50
YF7800	7800	6	6	±2.1	34	±3.0	60	±10.0	2	3	IN 600//0 OUT 150//0	–20~+50	D-105	36
YF7800CA	7800	6	6	±1.1	20	±1.5	60	±2.5	2	6	IN 600//0 OUT 150//0	–20~+50	D-105	36
YF7800AA	7800	8	6	±1.2	15	±1.5	66	±2.1	3	5	1k //33	–10~+55	D-104	50
YF8998.5E	8998.5	6	6	±1.1	20	±1.5	60	±2.4	2	6	2k//0	0~+70	D-105	36
YF8998.5	8998.5	8	6	±1.1	20	±1.5	60	±2.1	3	6	500//0	–10~+40	D-104	50
YF9000E	9000	6	6	±1.1	20	±1.5	60	±2.4	2	6	2k//0	0~+70	D-105	36
YF9000J	9000	8	6	±1.1	20	±1.5	66	±2.1	3	6	500//0	–10~+40	D-104	50
YF9001.5E	9001.5	6	6	±1.1	20	±1.5	60	±2.4	2	6	2k//0	0~+70	D-105	36
YF9001.5J	9001.5	8	6	±1.1	20	±1.5	66	±2.1	3	6	500//0	–10~+40	D-104	50
YF10.6935A	10693.5	6	6	±1.1	18	±1.5	60	±2.4	2	6	600//20	–30~+50	D-105	36
YF10.7SM	10698.5	8	6	±1.2	15	±1.5	66	±2.1	3	6	IN2.2k//25 OUT180//70	0~+40	D-104	50
YF10.7SH	10700	6	6	±1.2	60	±2.4	—	—	2	6	1k//33	–10~+50	D-105	36
YF10.7SN	10700	8	6	±1.2	15	±1.5	66	±2.1	3	6	IN2.2k//25 OUT180//70	0~+40	D-104	50
YF10.7B	10701.5	8	6	±1.2	15	–1.5	66	±2.1	3	6	IN2.2k//25 OUT180//70	0~+40	D-104	50

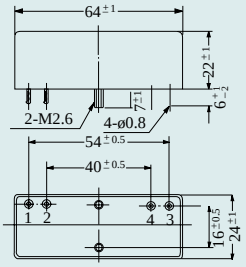
■ MCF

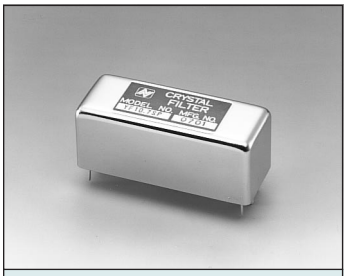
Model	Nominal Frequency (kHz)	Pole	Pass Bandwidth		Attenuation Bandwidth				Ripple	Insertion Loss	Terminating Impedance (Ω// pF)	Operating Temp. Range (°C)	Type	Weight
			(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)	(dB)	(dB)				(g)
10H2.2S	10693.5	8	6	width 2.2	20	±1.5	60	±2.4	2	5	600//15	–30~+60	D-156	15
10.7F2.2C	10700	6	6	±1.1	15	±1.5	60	±3.0	2	4	600//15	–20~+70	D-151-D	7
10.7F2.2D	10700	8	6	±1.1	20	±1.5	60	±2.4	2	5	600//15	–20~+70	D-151-E	8

CRYSTAL FILTERS

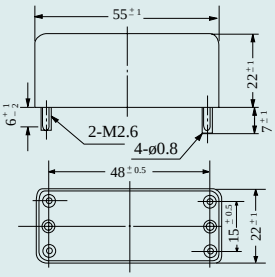


D-101 (mm)

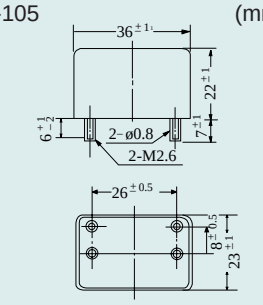


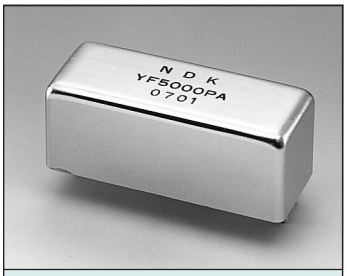


D-104 (mm)

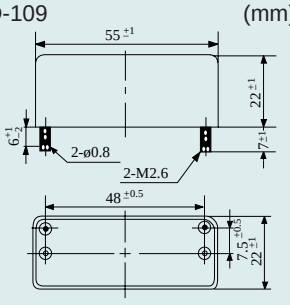


D-105 (mm)

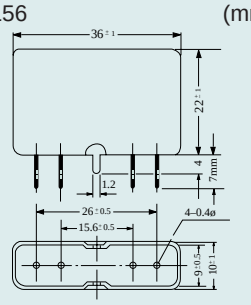


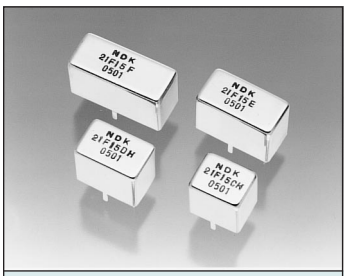


D-109 (mm)

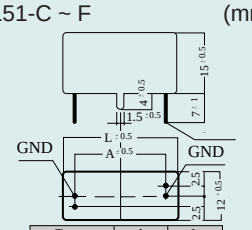


D-156 (mm)



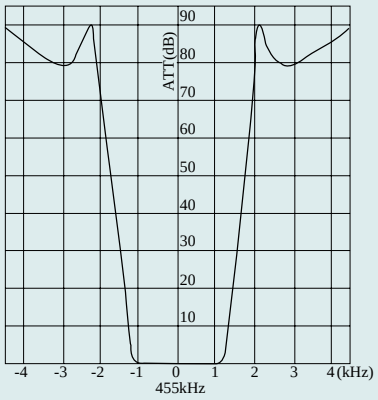


D-151-C ~ F (mm)

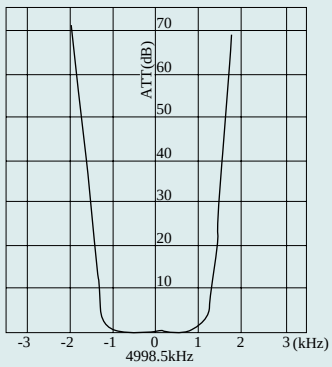


Type	A	L
D-151-C	9.0	15
D-151-D	13.4	18.5
D-151-E	17.8	23
D-151-F	22.2	28

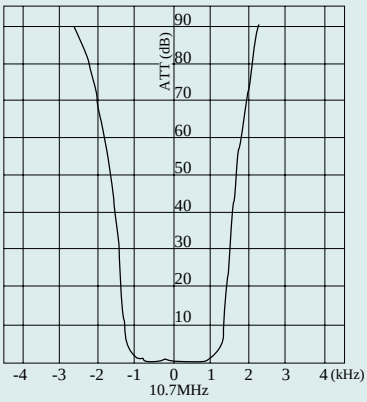
Model : YF455E



Model : YF5000PA



Model : 10.7F2.2D



Model : YF10.7SM