

CONVENTIONAL CRYSTAL FILTERS

The units have a wide range of applications covering carrier equipment and measuring instruments requiring high stability and high reliability.

Design, parts selection and manufacturing have been made with the emphasis on especially high stability and high reliability.

■ Features

- Stable temperature characteristics
- Low insertion loss
- Excellent ripple characteristics

■ Pass Band Filters

Model	Nominal Frequency (kHz)	Pass Bandwidth		Attenuation Bandwidth				Ripple (dB)	Insertion Loss (dB)	Terminating Impedance (Ω // pF)	Operating Temp Range (°C)	Type or Dimension L×W×H (mm)
		(dB)	(Hz)	(dB)	(Hz)	(dB)	(Hz)					
RF5.0E	5000	3	±50	20	±135	—	—	1	10	100//0	0~+50	40×30×35
YF10.0BP	10000	3	±1k	60	±3k	—	—	2	6	50//0	-20~+60	D-105
YF10.7GC	10700	1	±0.1	3	±0.3	60	±5	1	9.5	75//10	0~+40	50×20×22
YF10.7GP	10700	6	±0.2	6	±0.4	40	±2	3	6	470//20	0~+60	45×24×20
YF10.7GM	10700	3	±0.375	3	±0.625	60	±1.3	0.5	8	75//0	-10~+60	D-105
YF10.7GL	10700	3	±1.125	3	±1.875	60	±3	0.5	6	75//0	-10~+60	D-105

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

- Cannot be washed except for D, E types.

■ Conventional Crystal Filters

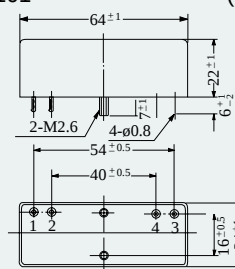
Model	Nominal Frequency (kHz)	Pole	Pass Bandwidth		Attenuation Bandwidth				Ripple (dB)	Insertion Loss (dB)	Terminating Impedance (Ω // pF)	Operating Temp. Range (°C)	Type	Weight (g)
			(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)						
YF9001.5E	9001.5	6	6	±1.1	20	±1.5	60	±2.4	2	6	2k//0	0~+70	D-105	36
YF9001.5J	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	IN 2.2k//25 OUT 180//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	IN 2.2//25 OUT 180//70	0~+40	D-104	50
YF10.7B	10700	8	6	±1.2	15	-1.5	66	±2.1	3	6	IN 2.2k//25 OUT 180//70	0~+40	D-104	50

■ MCF

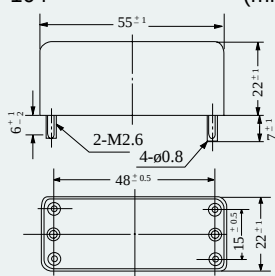
Model	Nominal Frequency (kHz)	Pole	Pass Bandwidth		Attenuation Bandwidth				Ripple (dB)	Insertion Loss (dB)	Terminating Impedance (Ω // pF)	Operating Temp. Range (°C)	Type	Weight (g)
			(dB)	(kHz)	(dB)	(kHz)	(dB)	(kHz)						
10.7F2.2C	10700	6	6	±1.1	15	±1.5	60	±3.0	2	4	600//15	-20~+70	D-151-D	7
10.7F2.2D	10700	8	6	±1.1	20	±1.5	66	±2.4	2	5	600//15	-20~+70	D-151-E	8



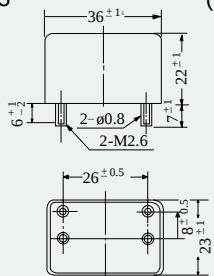
D-101 (mm)



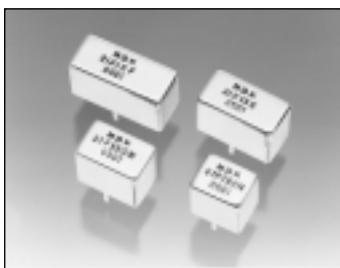
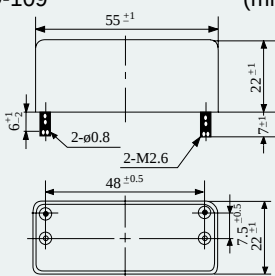
D-104 (mm)



D-105 (mm)



D-109 (mm)



D-151-C ~ F (mm)

