Crystal Filter

Crystal Bridge to the Future

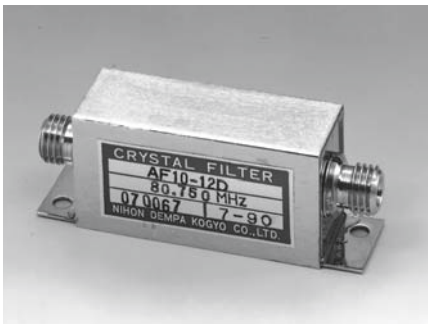
Antenna Filter

■ Features

This compact crystal filter for small antennas has been developed to remove interference caused by nonlinearity of a receiver and has low insertion loss across a wide frequency range.

- It can be manufactured for a wide frequency range from 40 to 280 MHz.
- Compact and light.
- Low insertion loss.
- Excellent temperature characteristics.

RoHS Compliant
Directive 2002/95/EC



■ Specifications

Model	Nominal frequency range (kHz)	Passband width	Stop bandwidth	Ripple (dB)	Insertion loss (insertion attenuation) (dB)	Terminating impedance (Ω//pF)	Operating temperature range (°C)	Package type
		3dB	20dB					
AF10-12D	40 to 80	±6	±25	1	4	50//0	–10 to +50	D-170
AF10-24D		±12	±50	2	4	50//0	–10 to +50	D-170
AF10-12D	110 to 170	±6	±25	1	6	50//0	–10 to +50	D-170
AF10-24D		±12	±50	2	6	50//0	–10 to +50	D-170

Model	Guaranteed attenuation
AF10-12D	±200 kHz max. and 20 dB or more
AF10-24D	±500 kHz max. and 10 dB or more

■ List of Codes for Placing an Order

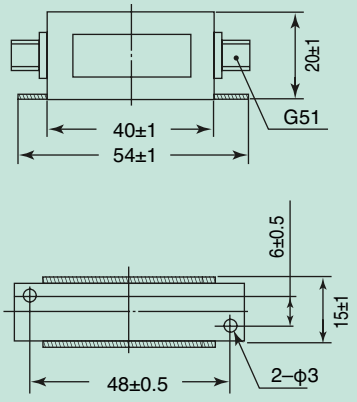
Model	Frequency range	Code for placing an order
AF10-12D	40 MHz or more and less than 50 MHz	AF10-12D-[ ]M-FN15-311
	50 MHz or more and less than 60 MHz	AF10-12D-[ ]M-FN15-312
	60 MHz or more and less than 70 MHz	AF10-12D-[ ]M-FN15-307
	70 MHz or more and less than 80 MHz	AF10-12D-[ ]M-FN15-308
	110 MHz or more and less than 170 MHz	AF10-12D-[ ]M-FN15-491
AF10-24D	40 MHz or more and less than 80 MHz	AF10-24D-[ ]M-FN15-091
	110 MHz or more and less than 170 MHz	AF10-24D-[ ]M-FN15-436

Specify a frequency in MHz in the brackets.

■ Dimensions

D-170

mm



With two plugs (G53-1) attached

■ Characteristics

