

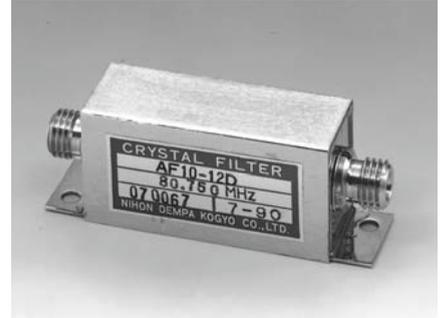
## Antenna Filter

### ■ 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

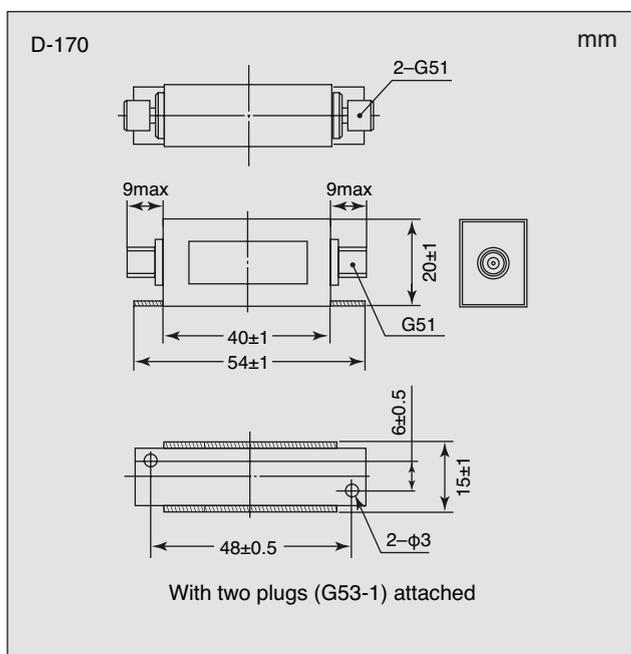


### ■ Specifications

Model	AF10-12D					AF10-24D	
Nominal frequency	40 MHz or more and less than 50 MHz	50 MHz or more and less than 60 MHz	60 MHz or more and less than 70 MHz	70 MHz or more and less than 80 MHz	110 MHz or more and less than 170 MHz	40 MHz or more and less than 80 MHz	110 MHz or more and less than 170 MHz
3 dB Passband width	Min. $\pm 6$ kHz					Min. $\pm 12$ kHz	
Stop bandwidth	Max. $\pm 25$ kHz at 20 dB					Max. $\pm 50$ kHz at 20 dB	
Ripple	Max. 1 dB					Max. 2 dB	
Insertion loss (insertion attenuation)	Max. 4 dB			Max. 6 dB		Max. 4 dB	Max. 6 dB
Guaranteed attenuation	Min. 20 dB Within $\pm 200$ kHz Min. 10 dB Within $\pm 500$ kHz						
Terminating impedance	50 $\Omega$ // 0 pF						
Operating temperature range	-10 to +50 °C						
Package type	D-170						
Ordering code*1	AF10-12D-[ ]M-FN15-311	AF10-12D-[ ]M-FN15-312	AF10-12D-[ ]M-FN15-307	AF10-12D-[ ]M-FN15-308	AF10-12D-[ ]M-FN15-491	AF10-24D-[ ]M-FN15-091	AF10-24D-[ ]M-FN15-436

\*1 : Specify a frequency in MHz in the brackets.

### ■ Dimensions



### ■ Characteristics

