

## Conventional Crystal Filter

### ■ Features

This filter has a wide range of applications from carrier equipment to measuring instruments that require particularly high stability and high reliability. Careful consideration to design, part selection, and manufacturing, all ensure a highly stable and reliable filter.

SSB (Single Side Band) filters are widely used in such fields as marine communication and amateur radio communication.

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



RoHS Compliant  
Directive 2002/95/EC

### ■ Specifications

Model	YF10.0BP	YF10.7GM	YF10.7GL	YF10.7SH
Nominal frequency	10 MHz	10.7 MHz	10.7 MHz	10.7 MHz
Passband width	Min. $\pm 1$ kHz at 3 dB	Min. $\pm 0.375$ kHz at 3 dB	Min. $\pm 1.125$ kHz at 3 dB	Min. $\pm 1.2$ kHz at 6 dB
Stop bandwidth	Max. $\pm 3$ kHz at 60 dB	Max. $\pm 0.625$ kHz at 3 dB	Max. $\pm 1.875$ kHz at 3 dB	Max. $\pm 2.4$ kHz at 60 dB
	-	Max. $\pm 1.3$ kHz at 60 dB	Max. $\pm 3$ kHz at 60 dB	-
Ripple	Max. 2 dB	Max. 0.5 dB	Max. 0.5 dB	Max. 2 dB
Insertion loss (insertion attenuation)	Max. 6 dB	Max. 8 dB	Max. 6 dB	Max. 6 dB
Guaranteed attenuation	Min. 60 dB Within $\pm 10$ kHz	Min. 75 dB Within $\pm 1$ MHz	Min. 60 dB Within $\pm 1$ MHz	Min. 60 dB Within $\pm 40$ kHz
Terminating impedance	50 $\Omega$ // 0 pF	75 $\Omega$ // 0 pF	75 $\Omega$ // 0 pF	1 k $\Omega$ // 33 pF
Operating temperature range	-20 to +60 °C	-10 to +60 °C	-10 to +60 °C	-10 to +50 °C
Package type	D-105	D-104	D-104	D-105
Ordering code	YF10.0BP-10M-FN15-461	YF10.7GM-10.7M-FN15-793	YF10.7GL-10.7M-FN15-846	YF10.7SH-10.7M-FN15-129

### ■ Dimensions

