

10.7 MHz-Series MCF

■ Features

Differs from conventional crystal filters, this filter needs no transformer, resulting in a light and compact product, with excellent characteristics yet still maintains the high Q of crystal.

- Compact and light.
- Stable temperature characteristics.
- Structure highly resistant to vibration and shock.

Caution

Package type D-151-C and D-151-D can not be washed.



Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

| Model | 10F7.5CH | 10F7.5DH | 10F15CH | 10F15DH | 10F30CH | 10F30DH |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Number of poles | 6 | 8 | 6 | 8 | 6 | 8 |
| Nominal frequency | 10.7MHz | | | | | |
| 3 dB Passband width | Min ± 3.75 kHz | | | Min. ± 15 kHz | | |
| Stop bandwidth | Max. ± 12.5 kHz at 65dB | Max. ± 12.5 kHz at 80dB | Max. ± 25 kHz at 65dB | Max. ± 25 kHz at 80dB | Max. ± 50 kHz at 65dB | Max. ± 50 kHz at 80dB |
| Ripple | Max. 2dB | Max. 2dB | Max. 2dB | Max. 2dB | Max. 2dB | Max. 2dB |
| Insertion loss (insertion attenuation) | Max. 3dB | Max. 4dB | Max. 3dB | Max. 4dB | Max. 3dB | Max. 4dB |
| Guaranteed attenuation | Min. 65dB Within ± 300 kHz | Min. 80dB Within ± 300 kHz | Min. 65dB Within ± 300 kHz | Min. 80dB Within ± 300 kHz | Min. 65dB Within ± 300 kHz | Min. 80dB Within ± 300 kHz |
| Spurious characteristics | - | - | - | - | Min. 60dB Within ± 300 kHz | - |
| Terminating impedance | 3.3k Ω //0pF | 3.3k Ω //0pF | 3.3k Ω //0pF | 3.3k Ω //0pF | 5.6k Ω //-1.5pF | 5.6k Ω //-1.5pF |
| Operating temperature range | -20 to +70 °C | | | | | |
| Package type | D-151-C | D-151-D | D-151-C | D-151-D | D-151-C | D-151-D |
| Ordering code | 10F7.5CH-10.7M-FN15-859 | 10F7.5DH-10.7M-FN15-860 | 10F15CH-10.7M-FN15-861 | 10F15DH-10.7M-FN15-862 | 10F30CH-10.7M-FN15-863 | 10F30DH-10.7M-FN15-864 |

■ Dimensions

