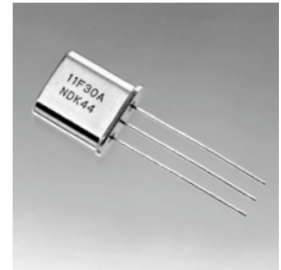


10.7 MHz-Series MCF

■ 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.



Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Model	10T7.5A	10T7.5BH	10T15AN	10T15BK	10T30BC
Number of poles	2	4	2	4	4
Nominal frequency	10.7MHz	10.7MHz	10.7MHz	10.7MHz	10.7MHz
3 dB Passband width	Max. ± 3.75 kHz	Max. ± 3.75 kHz	Max. ± 7.5 kHz	Max. ± 7.5 kHz	Max. ± 15 kHz
Stop bandwidth	Max. ± 15 kHz at 18dB	Max. ± 12.5 kHz at 40dB	Max. ± 25 kHz at 18dB	Max. ± 25 kHz at 40dB	Max. ± 50 kHz at 40dB
Ripple	Max. 0.7dB	Max. 1dB	Max. 0.5dB	Max. 1dB	Max. 1dB
Insertion loss (insertion attenuation)	Max. 2dB	Max. 2.5dB	Max. 2dB	Max. 2.5dB	Max. 2.5dB
Guaranteed attenuation	Min. 30dB Within ± 1 MHz	Min. 60dB Within ± 1 MHz	Min. 40dB Within ± 1 MHz	Min. 60dB Within ± 1 MHz	Min. 60dB Within ± 1 MHz
Spurious characteristics	Min. 18dB Within ± 1 MHz	Min. 40dB Within ± 1 MHz	Min. 18dB Within ± 1 MHz	Min. 40dB Within ± 1 MHz	Min. 40dB Within ± 1 MHz
Terminating impedance	1.5k Ω /5pF	1.5k Ω /4.5pF Cc = 17 pF	3k Ω /2.5pF	3k Ω /1.5pF Cc = 5 pF	1.5k Ω /4.5pF Cc = 17 pF
Operating temperature range	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Package type	D-359-A	D-359-B	D-359-A	D-359-B	D-359-B
Ordering code	10T7.5A-10.7M-MN15-114	10T7.5BH-10.7M-MN15-254	10T15AN-10.7M-MN15-256	10T15BK-10.7M-MN15-235	10T30BC-10.7M-MN15-392

■ Dimensions

