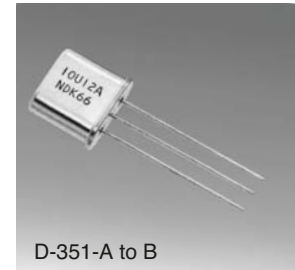
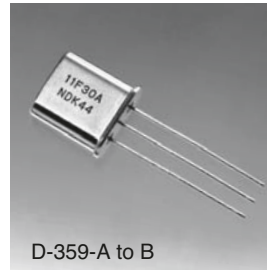


## 10.7 MHz-Series MCF

### Features

Unlike conventional crystal filters, this filter needs no transformer, and as a result it is ultra-compact and ultra-lightweight. It has extremely good characteristics and maintains the high Q of crystal.

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



Pb Free

RoHS Compliant  
Directive 2002/95/EC

### Specifications

| Model    | Nominal frequency (MHz) | Number of poles * | Passband width |       | Stop bandwidth |       | Ripple (dB) | Insertion loss (insertion attenuation) (dB) | Terminating impedance (kΩ/pF) | Operating temperature range (°C) | Package type | Weight (g) |
|----------|-------------------------|-------------------|----------------|-------|----------------|-------|-------------|---|-------------------------------|----------------------------------|--------------|------------|
|          |                         |                   | (dB)           | (kHz) | (dB)           | (kHz) |             |   |                               |                                  |              |            |
| 10F7.5A  | 10.7                    | 2                 | 3              | ±3.75 | 18             | ±15   | 0.7         | 2   | 1.5//5                        | -20 to +70                       | D-359-A      | 1          |
| 10T7.5BH | 10.7                    | 4                 | 3              | ±3.75 | 40             | ±12.5 | 1           | 2.5   | 1.5//4.5 Cc = 17pF            | -20 to +70                       | D-359-B      | 2          |
| 10F12A   | 10.7                    | 2                 | 3              | ±6    | 18             | ±22   | 0.5         | 2   | 2.3//3                        | -20 to +70                       | D-359-A      | 1          |
| 10F12B   | 10.7                    | 4                 | 3              | ±6    | 40             | ±20   | 1           | 2.5   | 3//1.5 Cc = 8.5pF             | -20 to +70                       | D-359-B      | 2          |
| 10T15AN  | 10.7                    | 2                 | 3              | ±7.5  | 18             | ±25   | 0.5         | 2   | 3//2.5                        | -20 to +70                       | D-359-A      | 1          |
| 10T15BK  | 10.7                    | 4                 | 3              | ±7.5  | 40             | ±25   | 1           | 2.5   | 3//1.5 Cc = 5pF               | -20 to +70                       | D-359-B      | 2          |
| 10T20AL  | 10.7                    | 2                 | 3              | ±10   | 18             | ±34   | 0.5         | 2   | 3.9//1                        | -20 to +70                       | D-359-A      | 1          |
| 10T20BA  | 10.7                    | 4                 | 3              | ±10   | 40             | ±34   | 1           | 2.5   | 3.9//0 Cc = 2.0pF             | -20 to +70                       | D-359-B      | 2          |
| 10F30A   | 10.7                    | 2                 | 3              | ±15   | 18             | ±50   | 0.5         | 2   | 5//1                          | -20 to +70                       | D-359-A      | 1          |
| 10F30B   | 10.7                    | 4                 | 3              | ±15   | 40             | ±50   | 1           | 2.5   | 5//1.8 Cc = 1pF               | -20 to +70                       | D-359-B      | 2          |
| 10U7.5A  | 10.7                    | 2                 | 3              | ±3.75 | 18             | ±18   | 1           | 2   | 1.8//4                        | -20 to +70                       | D-351-A      | 1          |
| 10U12AA  | 10.7                    | 2                 | 3              | ±6    | 18             | ±22   | 1           | 2   | 2.3//3                        | -20 to +70                       | D-351-A      | 1          |

\* Products of which the pole is "4" have pairs of two elements.

### List of Codes for Placing an Order

| Model    | Code for placing an order |
|----------|---------------------------|
| 10F7.5A  | 10F7.5A-10.7M-MN15-037    |
| 10T7.5BH | 10T7.5BH-10.7M-MN15-254   |
| 10F12A   | 10F12A-10.7M-MN15-066     |
| 10F12B   | 10F12B-10.7M-MN15-257     |
| 10T15AN  | 10T15AN-10.7M-MN15-256    |
| 10T15BK  | 10T15BK-10.7M-MN15-235    |

| Model   | Code for placing an order |
|---------|---------------------------|
| 10T20AL | 10T20AL-10.7M-MN15-255    |
| 10T20BA | 10T20BA-10.7M-MN15-335    |
| 10F30A  | 10F30A-10.7M-MN15-134     |
| 10F30B  | 10F30B-10.7M-MN15-135     |
| 10U7.5A | 10U7.5A-10.7M-MN15-293    |
| 10U12AA | 10U12AA-10.7M-MN15-295    |

### Dimensions

