

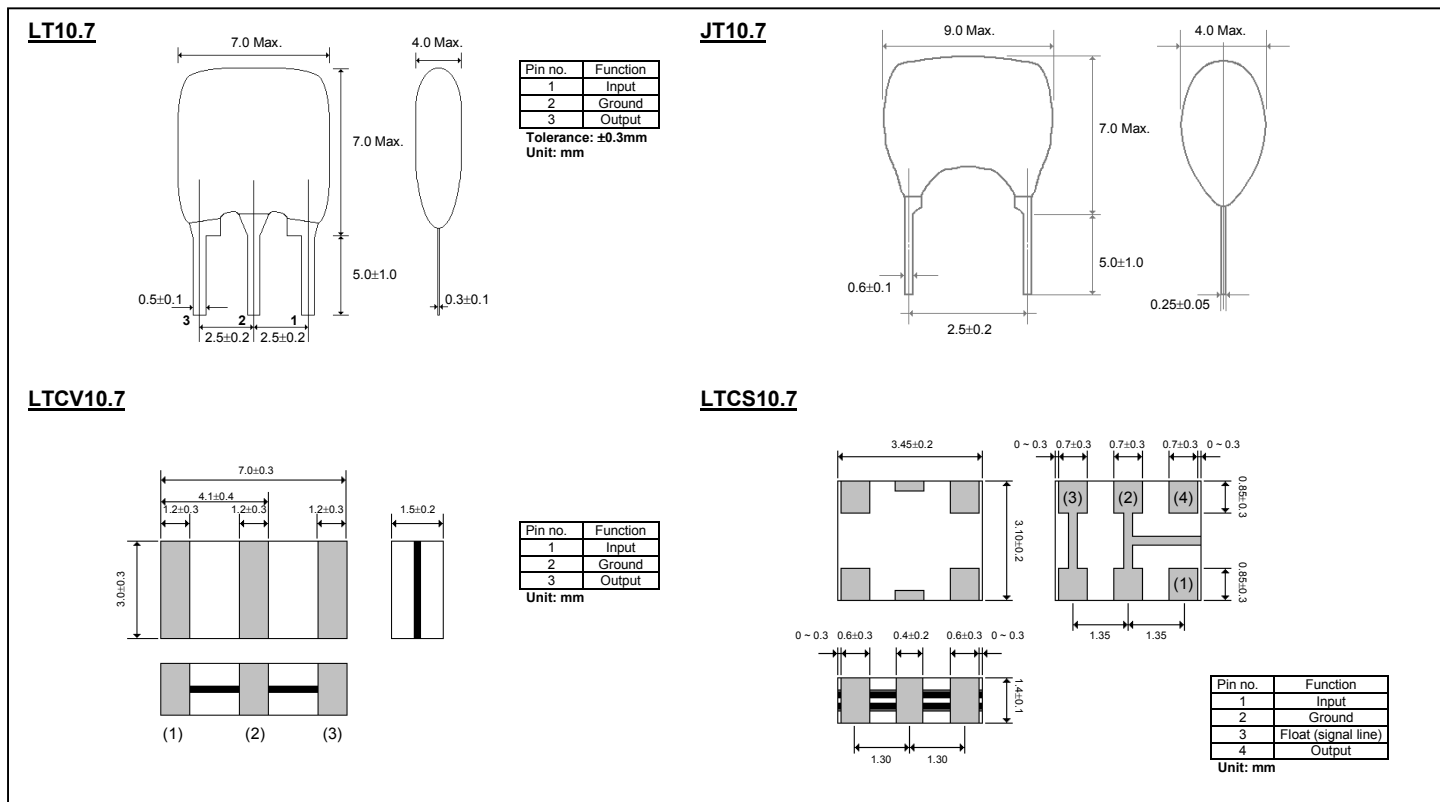


### Ceramic Filter and Discriminator (FM Applications)

RoHS Compliant  
Directive 2002/95/EC

REACH Compliant  
(15 SVHCs)  
Regulation (EC)  
No. 1907/2006

#### • Dimension



#### • Electrical Specifications of LT10.7

| Part Number   | Center Frequency (MHz) | 3dB Bandwidth (KHz Min.) | 20dB Bandwidth (KHz Max.) | Insertion Loss (dB Max.) | Response [9KHz~12KHz] (dB Min.) |
|---------------|------------------------|--------------------------|---------------------------|--------------------------|---------------------------------|
| LT10.7MA5     | 10.70±0.03             | 280.0±50.0               | 650.0                     | 6.0                      | 30.0                            |
| LT10.7MS2     | 10.70±0.03             | 230.0±50.0               | 600.0                     | 6.0                      | 40.0                            |
| LT10.7MS3     | 10.70±0.03             | 180.0±40.0               | 520.0                     | 7.0                      | 40.0                            |
| LT10.7MA5A10  | 10.70±0.03             | 280.0±50.0               | 590.0                     | 2.5±2.0                  | 30.0                            |
| LT10.7MS2A10  | 10.70±0.03             | 230.0±50.0               | 520.0                     | 3.0±2.0                  | 35.0                            |
| LT10.7MS3A10  | 10.70±0.03             | 180.0±40.0               | 470.0                     | 3.5±1.5                  | 35.0                            |
| LT10.7MJA10   | 10.70±0.03             | 150.0±40.0               | 360.0                     | 4.5±2.0                  | 35.0                            |
| LT10.7MA21    | 10.70±0.03             | 400 Min.                 | 950.0                     | 3.0±2.0                  | 20.0                            |
| LT10.7MA19    | 10.70±0.03             | fn±175.0 Mn.             | 950.0                     | 3.0±2.0                  | 20.0                            |
| LT10.7MA20    | 10.70±0.03             | 330.0±50.0               | 680.0                     | 4.0±2.0                  | 30.0                            |
| LT10.7MHY     | 10.70±0.03             | 110.0±30.0               | 350.0                     | 5.5±2.0                  | 30.0                            |
| LT10.7MFP     | 10.70±0.03             | 20 Min.                  | 95                        | 6.0                      | 24.0 (9.7 ~ 11.7MHz)            |
| Specification | 10.64±0.03MHz          | 10.67±0.03MHz            | 10.70±0.03MHz             | 10.73±0.03MHz            | 10.76±0.03MHz                   |
| Color dot     | D<br>Black             | B<br>Blue                | A<br>Red                  | C<br>Orange              | E<br>White                      |

<sup>1</sup> For other frequencies or specifications, please consult with our sales representatives for details.

<sup>2</sup> Input/output impedance: 330Ω



### • Electrical Specifications of LTCV10.7 / LTCS10.7

| Part Number   | Center Frequency (MHz) | 3dB Bandwidth (KHz Min.) | 20dB Bandwidth (KHz Max.) | Insertion Loss (dB Max.) | Response [9KHz~12KHz] (dB Min.) |
|---------------|------------------------|--------------------------|---------------------------|--------------------------|---------------------------------|
| LTCV10.7MHY   | 10.70±0.03             | 110.0±30.0               | 320.0                     | 6.0±2.0                  | 35.0                            |
| LTCV10.7MJ    | 10.70±0.03             | 150.0±40.0               | 380.0                     | 5.5±2.0                  | 35.0                            |
| LTCV10.7MS3   | 10.70±0.03             | 180.0±40.0               | 470.0                     | 4.0±2.0                  | 35.0                            |
| LTCV10.7MS2   | 10.70±0.03             | 230.0±50.0               | 510.0                     | 3.5±2.0                  | 35.0                            |
| LTCV10.7MA5   | 10.70±0.03             | 280.0±50.0               | 590.0                     | 3.0±2.0                  | 35.0                            |
| LTCV10.7MA20  | 10.70±0.03             | 330.0±50.0               | 700.0                     | 3.0±2.0                  | 30.0                            |
| LTCV10.7MA19  | 10.70±0.03             | fn±175.0 Min.            | 950                       | 3.0±2.0                  | 20.0 (5 ~ 15MHz)                |
| LTCS10.7MS3   | 10.70±0.03             | 180.0±40.0               | 470.0                     | 4.5±2.0                  | 40.0                            |
| LTCS10.7MS2   | 10.70±0.03             | 230.0±50.0               | 510.0                     | 3.5±2.0                  | 40.0                            |
| LTCS10.7MA5   | 10.70±0.03             | 280.0±50.0               | 590.0                     | 3.0±2.0                  | 30.0                            |
| LTCS10.7MA20  | 10.70±0.03             | 330.0±50.0               | 700.0                     | 3.0±2.0                  | 30.0                            |
| Specification | 10.64±0.03MHz          | 10.67±0.03MHz            | 10.70±0.03MHz             | 10.73±0.03MHz            | 10.76±0.03MHz                   |
| Color dot     | D<br>Black             | B<br>Blue                | A<br>Red                  | C<br>Orange              | E<br>White                      |

<sup>1</sup> For other frequencies or specifications, please consult with our sales representatives for details.

<sup>2</sup> Input/output impedance: 330Ω

### • Electrical Specifications of JT10.7

| Part Number   | Center Frequency (MHz) | Recovered Audio 3dB BW (KHz Min.) | Recovered Audio Output (mV Min.) | Distortion (% Max.) | IC                  | Detection Method |
|---------------|------------------------|-----------------------------------|----------------------------------|---------------------|---------------------|------------------|
| JT10.70MC1    | 10.70±0.03             | 242.0                             | 35.0                             | -                   | CX20091<br>CXA1019M | Quadrature       |
| JT10.70MG1    | 10.70±0.03             | -                                 | -                                | 1.0                 | CX20092             | Quadrature       |
| JT10.70MG16   | 10.70±0.03             | 300.0                             | Min. 60~ Max. 90                 | 0.9                 | TA8122AN            | Quadrature       |
| JT10.70MG31   | 10.70±0.03             | 300.0                             | 50.0                             | 1.0                 | TA2003              | Quadrature       |
| JT10.70MG33   | 10.70±0.03             | 250.0                             | 45.0                             | 0.7                 | TA2007              | Quadrature       |
| JT10.70MG77   | 10.70±0.03             | 220.0                             | 60.0                             | 1.0                 | TA2111AN            | Quadrature       |
| JT10.70MG80   | 10.70±0.03             | 700.0                             | 65.0                             | 1.0                 | TA2104AFN           | Quadrature       |
| JT10.70MG82   | 10.70±0.03             | 320.0                             | 90.0                             | 0.8                 | TA2099N             | Quadrature       |
| JT10.70MG92   | 10.70±0.03             | 300.0                             | 60.0                             | 1.0                 | TA2132P             | Quadrature       |
| Specification | 10.64±0.03MHz          | 10.67±0.03MHz                     | 10.70±0.03MHz                    | 10.73±0.03MHz       | 10.76±0.03MHz       |                  |
| Color dot     | D<br>Black             | B<br>Blue                         | A<br>Red                         | C<br>Orange         | E<br>White          |                  |

- Other frequencies and specifications are also available upon request, please consult with our sales representatives.