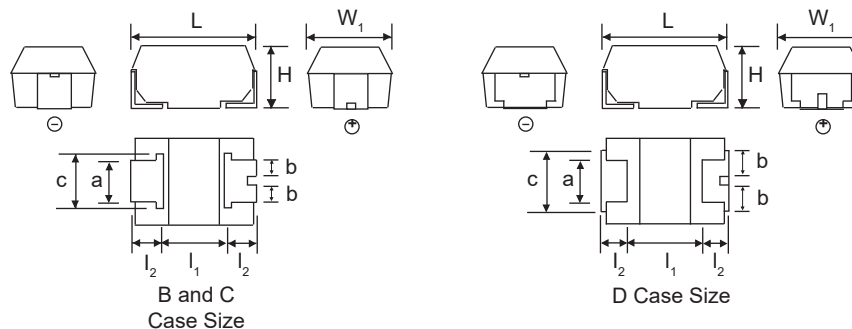


### PART NUMBER AND SPECIFICATIONS TABLE

| Part Number      | Cap.<br>( $\mu$ F) | Voltage<br>(Vdc) | Dissipation Factor<br>@ 120Hz/20°C | Leakage Current ( $\mu$ A)<br>@ 25°C | ESR (ohms)<br>@ 100KHz/20°C | Ripple Current Rating (mA)<br>@ 100KHz/25°C |
|------------------|--------------------|------------------|------------------------------------|--------------------------------------|-----------------------------|---------------------------------------------|
| NTC-L226K6.3TRBF | 22                 | 6.3              | 0.06                               | 1.4                                  | 0.50                        | 440                                         |
| NTC-L336K6.3TRCF | 33                 |                  | 0.06                               | 2.1                                  | 0.35                        | 530                                         |
| NTC-L476K6.3TRCF | 47                 |                  | 0.06                               | 3.0                                  | 0.35                        | 530                                         |
| NTC-L107K6.3TRDF | 100                |                  | 0.08                               | 6.3                                  | 0.15                        | 890                                         |
| NTC-L157K6.3TRDF | 150                |                  | 0.08                               | 9.5                                  | 0.10                        | 1,100                                       |
| NTC-L227K6.3TRDF | 220                |                  | 0.10                               | 14                                   | 0.10                        | 1,100                                       |
| NTC-L337K6.3TRDF | 330                |                  | 0.10                               | 20.8                                 | 0.10                        | 1,100                                       |
| NTC-L477K6.3TRDF | 470                |                  | 0.18                               | 32.9                                 | 0.20                        | 770                                         |
| NTC-L156K10TRBF  | 15                 | 10               | 0.06                               | 1.5                                  | 0.60                        | 400                                         |
| NTC-L226K10TRCF  | 22                 |                  | 0.06                               | 2.2                                  | 0.50                        | 440                                         |
| NTC-L336K10TRCF  | 33                 |                  | 0.06                               | 3.3                                  | 0.35                        | 530                                         |
| NTC-L476K10TRDF  | 47                 |                  | 0.06                               | 4.7                                  | 0.25                        | 690                                         |
| NTC-L686K10TRDF  | 68                 |                  | 0.06                               | 6.8                                  | 0.20                        | 770                                         |
| NTC-L107K10TRDF  | 100                |                  | 0.08                               | 10                                   | 0.10                        | 1,100                                       |
| NTC-L157K10TRDF  | 150                |                  | 0.08                               | 15                                   | 0.10                        | 1,100                                       |
| NTC-L227K10TRDF  | 220                |                  | 0.10                               | 22                                   | 0.10                        | 1,100                                       |
| NTC-L337K10TRDF  | 330                |                  | 0.18                               | 33                                   | 0.15                        | 890                                         |
| NTC-L106K16TRBF  | 10                 | 16               | 0.06                               | 1.6                                  | 0.60                        | 400                                         |
| NTC-L226K16TRCF  | 22                 |                  | 0.06                               | 3.5                                  | 0.40                        | 500                                         |
| NTC-L336K16TRDF  | 33                 |                  | 0.06                               | 5.3                                  | 0.25                        | 690                                         |
| NTC-L476K16TRDF  | 47                 |                  | 0.06                               | 7.5                                  | 0.20                        | 770                                         |
| NTC-L686K16TRDF  | 68                 |                  | 0.06                               | 11                                   | 0.15                        | 890                                         |
| NTC-L107K16TRDF  | 100                |                  | 0.08                               | 16                                   | 0.10                        | 1,100                                       |
| NTC-L106K20TRCF  | 10                 | 20               | 0.06                               | 2.0                                  | 0.60                        | 400                                         |
| NTC-L156K20TRCF  | 15                 |                  | 0.06                               | 3.0                                  | 0.50                        | 440                                         |
| NTC-L226K20TRDF  | 22                 |                  | 0.06                               | 4.4                                  | 0.35                        | 580                                         |
| NTC-L336K20TRDF  | 33                 |                  | 0.06                               | 6.6                                  | 0.30                        | 630                                         |
| NTC-L476K20TRDF  | 47                 |                  | 0.06                               | 9.4                                  | 0.20                        | 830                                         |
| NTC-L156K25TRDF  | 15                 | 25               | 0.06                               | 3.8                                  | 0.30                        | 630                                         |
| NTC-L226K25TRDF  | 22                 |                  | 0.06                               | 5.5                                  | 0.30                        | 630                                         |
| NTC-L336K25TRDF  | 33                 |                  | 0.06                               | 8.3                                  | 0.30                        | 630                                         |
| NTC-L106K35TRDF  | 10                 | 35               | 0.06                               | 3.5                                  | 0.30                        | 630                                         |
| NTC-L156K35TRDF  | 15                 |                  | 0.06                               | 5.3                                  | 0.30                        | 630                                         |
| NTC-L226K35TRDF  | 22                 |                  | 0.06                               | 7.7                                  | 0.50                        | 490                                         |

### CASE DIMENSIONS (mm)

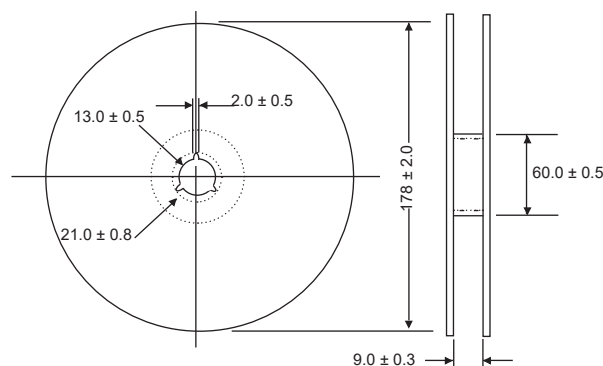
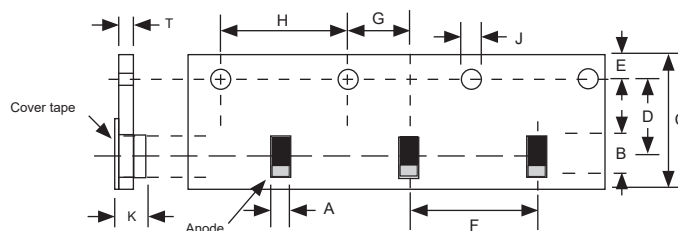
| Case Code | L<br>$\pm 0.2$ | W<br>$\pm 0.2$ | HL<br>$\pm 0.2$ | I <sub>1</sub><br>$\pm 0.2$ | I <sub>2</sub><br>$\pm 0.2$ | a<br>$\pm 0.2$ | b<br>$\pm 0.2$ | c<br>$\pm 0.2$ |
|-----------|----------------|----------------|-----------------|-----------------------------|-----------------------------|----------------|----------------|----------------|
| B         | 3.4            | 2.6            | 1.9             | 1.4                         | 0.8                         | 2.0            | 0.7            | 2.2            |
| C         | 5.8            | 3.2            | 2.5             | 2.4                         | 1.3                         | 2.2            | 0.7            | 2.4            |
| D         | 7.3            | 4.3 $\pm 0.3$  | 2.8             | 3.8                         | 1.3                         | 2.4            | 1.2            | 3.3            |



Terminations:  
100% Sn (Lead-Free)  
Standard

### TAPING SPECIFICATIONS (mm)

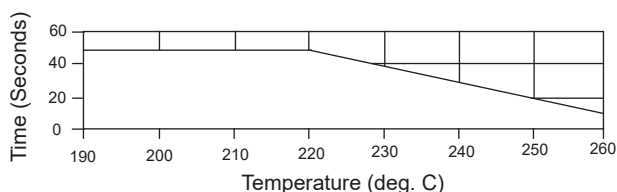
| Case Code | A<br>±0.1 | B<br>±0.1 | C<br>±0.3 | D<br>±0.1 | E<br>±0.1 | F<br>±0.1 | G<br>±0.1 | H<br>±0.1 | J<br>±0.1 | K<br>max. | t<br>max. | Reel Qty |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| B         | 3.1       | 3.8       | 8.0       | 3.5       | 1.75      | 4.0       | 2.0       | 4.0       | 1.5       | 2.5       | 0.2       | 2000     |
| C         | 3.7       | 6.3       | 12.0      | 5.5       | 1.75      | 8.0       | 2.0       | 4.0       | 1.5       | 3.0       | 0.3       | 500      |
| D         | 4.8       | 7.7       | 12.0      | 5.5       | 1.75      | 8.0       | 2.0       | 4.0       | 1.5       | 3.4       | 0.3       | 500      |



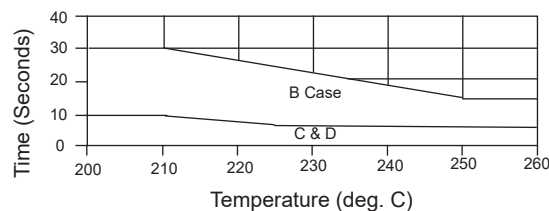
### RECOMMENDED SOLDERING PROFILES

Note: To avoid thermal shock a preheating stage, 130°C ~ 160°C for 1 minute, should be incorporated into the soldering process

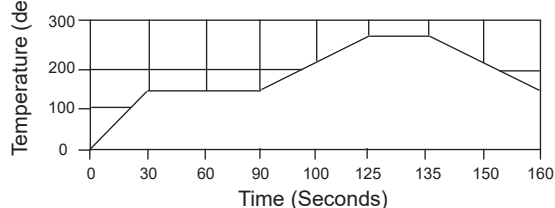
Reflow Soldering - Permitted  
Temperature/Time Range



Flow Soldering - Permitted  
Temperature/Time Range



Reflow Soldering - Recommended Profile  
Maximum Temperature/Time: 260°C/10 Sec.



Flow Soldering - Recommended Profile  
Maximum Temperature/Time: 245°C/5 Sec.

