

High temperature solder exemption - In accordance with RoHS 2002/95/EC Annex 7

## Standard Specifications

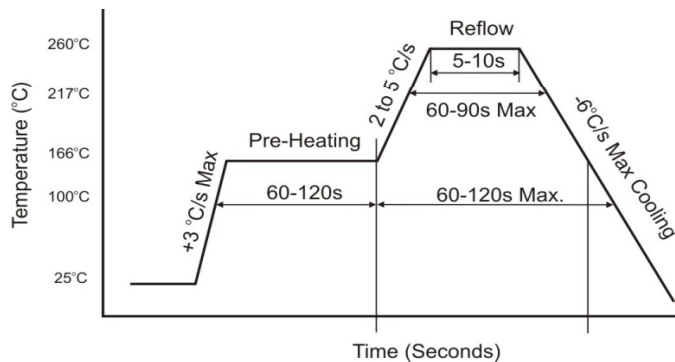
| Parameter                   | Symbol       | Specification           | Remarks                          |
|-----------------------------|--------------|-------------------------|----------------------------------|
| Frequency Range             | $f_0$        | 3.50 to 70.00 MHz       |                                  |
| Frequency Tolerance         | $\Delta f/f$ | $\pm 30$ PPM            | at 25°C with 100 $\mu$ W         |
| Frequency Stability         | Over OTR     | $\pm 50$ PPM (Standard) |                                  |
| Operating Temperature Range | $T_{OPR}$    | -40°C to +85°C          | See Table                        |
| Storage Temperature Range   | $T_{STG}$    | -55°C to +125°C         |                                  |
| Load Capacity               | $C_L$        | 30pF (Std value)        | Please specify                   |
| Drive-Level                 | $D_L$        | 100.0 $\mu$ W Typ.      | 0.5mW Max                        |
| Shunt Capacitance           | $C_0$        | 7.0pF Typ.              |                                  |
| Dynamic Capacitance         | $C_1$        | 20.0fF Typ.             |                                  |
| Ageing                      | Fa           | $\pm 5.0$ PPM           | at 25°C $\pm 3^\circ$ C 1st Year |

## Additional Specifications

| Freq Range         | Mode         | ESR          |
|--------------------|--------------|--------------|
| 3.50 to 3.99 MHz   | Fundamental  | 200 $\Omega$ |
| 4.00 to 5.99 MHz   | Fundamental  | 150 $\Omega$ |
| 6.00 to 9.99 MHz   | Fundamental  | 100 $\Omega$ |
| 10.00 to 30.00 MHz | Fundamental  | 50 $\Omega$  |
| 30.00 to 35.99 MHz | 3rd Overtone | 100 $\Omega$ |
| 36.00 to 70.00 MHz | 3rd Overtone | 80 $\Omega$  |

Note: Do not connect pins #2 and #3 externally  
Suitable for automotive & AV applications

## Reflow Solder Condition



## Dimensions (mm)

