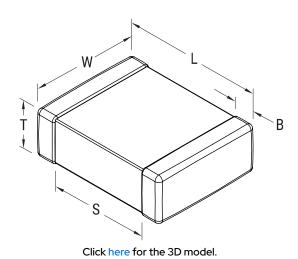


C1210F685K3RACTU

Aliases (C1210F685K3RAC7800) SMD Comm X7R FO, Ceramic, 6.8 uF, 10%, 25 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 1210, 1.5 mm



| General Information | |
|--------------------------|---|
| Series | SMD Comm X7R FO |
| Style | SMD Chip |
| Description | SMD, MLCC, Open Mode, Temperature Stable |
| Features | Open Mode, Temperature Stable |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 135 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|-----------------|
| Chip Size | 1210 |
| L | 3.2mm +/-0.2mm |
| W | 2.5mm +/-0.2mm |
| Т | 2.5mm +/-0.30mm |
| S | 1.5mm MIN |
| В | 0.5mm +/-0.25mm |
| | |

| W | 2.5mm +/-0.2mm |
|--------------------------|-----------------|
| Т | 2.5mm +/-0.30mm |
| S | 1.5mm MIN |
| В | 0.5mm +/-0.25mm |
| | |
| Packaging Specifications | |

| Packaging Specifications | |
|--------------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000 |
| | |

| Specifications | |
|--|--|
| Capacitance | 6.8 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 25 VDC |
| Dielectric Withstanding Voltage | 62.5 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms |
| Dissipation Factor | 3.5%1kHz1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 73.5 MOhms |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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