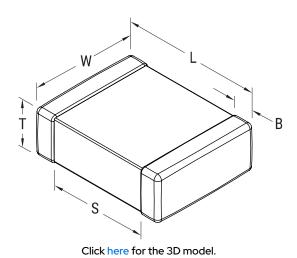


C1825C153KGRACTU

Aliases (C1825C153KGRAC7800) SMD Comm X7R HV, Ceramic, 0.015 uF, 10%, 2,000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1825, 2.3 mm



| General Information | |
|--------------------------|--|
| Series | SMD Comm X7R HV |
| Style | SMD Chip |
| Description | SMD, MLCC, High Voltage, Temperature Stable |
| Features | High Voltage |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 380 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Dimensions | |
|------------|-----------------|
| Chip Size | 1825 |
| L | 4.5mm +/-0.3mm |
| W | 6.4mm +/-0.4mm |
| Т | 2.5mm +/-0.20mm |
| S | 2.3mm MIN |
| В | 0.6mm +/-0.35mm |
| | |

500

Packaging Quantity

| L | 4.511111 1/ -0.511111 | Measurement Condition | |
|--------------------------|--------------------------|-------------------------|--|
| W | 6.4mm +/-0.4mm | Tolerance | |
| Т | 2.5mm +/-0.20mm | Voltage DC | |
| S | 2.3mm MIN | Dielectric Withstanding | |
| В | 0.6mm +/-0.35mm | Temperature Range | |
| | | Temp. Coefficient | |
| Packaging Specifications | | Capacitance Change wi | |
| Packaging | T&R, 180mm, Plastic Tape | Reference to +25°C and | |

| Specifications | |
|--|--|
| Capacitance | 0.015 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 2000 VDC |
| Dielectric Withstanding Voltage | 2,400 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 | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 66.6667 GOhms |

| 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. |

Generated 07/17/2025 © 2006 - 2025 YAGEO