

## C4540H683KGGWCT050

SMD Indust COG HVHT200C Pulse, Ceramic, 0.068 uF, 10%, 1,000 VDC, COG, SMD, MLCC, High Temperature, Pulse Discharge, Ultra-Stable, Low Loss, 4540, 6.3 mm



Click [here](#) for the 3D model.

### General Information

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| Series                   | SMD Indust COG HVHT200C Pulse                                        |
| Style                    | SMD Chip                                                             |
| Description              | SMD, MLCC, High Temperature, Pulse Discharge, Ultra-Stable, Low Loss |
| Features                 | High Temperature                                                     |
| RoHS                     | Yes                                                                  |
| Termination              | Tin                                                                  |
| Marking                  | No                                                                   |
| AEC-Q200                 | No                                                                   |
| Typical Component Weight | 1.35 g                                                               |
| Shelf Life               | 78 Weeks                                                             |
| MSL                      | 1                                                                    |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 4540            |
| L         | 11.4mm +/-0.4mm |
| W         | 10.2mm +/-0.4mm |
| T         | 2.5mm +/-0.20mm |
| S         | 6.3mm MIN       |
| B         | 1.27mm +/-0.4mm |

### Packaging Specifications

|                    |          |
|--------------------|----------|
| Packaging          | Cut Reel |
| Packaging Quantity | 50       |

### Specifications

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 0.068 uF               |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Tolerance                                                          | 10%                    |
| Voltage DC                                                         | 1000 VDC               |
| Dielectric Withstanding Voltage                                    | 2,000 VDC              |
| Temperature Range                                                  | -55/+200°C             |
| Temp. Coefficient                                                  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance                                              | 14.7059 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.