

## C0805J682K5RACAUTO

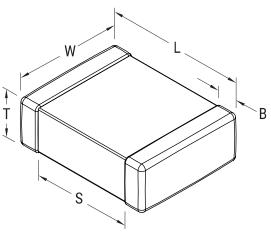
**General Information** 

Series

SMD Auto X7R FO, Ceramic, 6,800 pF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 0805, 0.6 mm

SMD Auto X7R FO





|   | Style                    | SMD Chip                                  |
|---|--------------------------|---|
|   | Description              | SMD, MLCC, Open Mode,<br>Automotive Grade |
| В | Features                 | Open Mode, Automotive Grade               |
|   | RoHS                     | Yes                                       |
|   | Termination              | Flexible Termination                      |
|   | Marking                  | No  |
|   | Qualifications           | AEC-Q200                                  |
|   | AEC-Q200                 | Yes                                       |
|   | Typical Component Weight | 13 mg                                     |
|   | Shelf Life               | 78 Weeks                                  |
|   | MSL                      | 1   |
|   |                          |   |

| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0805            |  |
| L          | 2mm +/-0.3mm    |  |
| W          | 1.25mm +/-0.3mm |  |
| T          | 0.9mm +/-0.10mm |  |
| S          | 0.6mm MIN       |  |
| В          | 0.5mm +/-0.25mm |  |

Click here for the 3D model.

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging                | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity       | 4000                     |  |

| Specifications   |  |
|--|--|
| Capacitance  | 6,800 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 50 VDC   |
| Dielectric Withstanding Voltage  | 125 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 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 09/14/2025 © 2006 - 2025 YAGEO