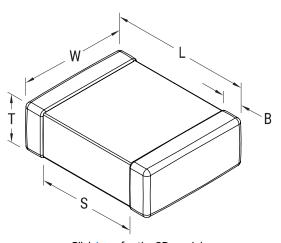


## C0805R274K5RACT500

SMD Indust X7R HT175C, Ceramic, 0.27 uF, 10%, 50 VDC, X7R, SMD, MLCC, High Temperature, FT-CAP, 0805, 0.6 mm





| Click | nere | tor | the | 3D | mod | el |
|-------|------|-----|-----|----|-----|----|
|       |      |     |     |    |     |    |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| Т          | 1.25mm +/-0.15mm |
| S          | 0.6mm MIN        |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |          |  |
|--------------------------|----------|--|
| Packaging                | Cut Reel |  |
| Packaging Quantity       | 500      |  |

| General Information      |                                     |
|--------------------------|-------------------------------------|
| Series                   | SMD Indust X7R HT175C               |
| Style                    | SMD Chip                            |
| Description              | SMD, MLCC, High Temperature, FT-CAP |
| Features                 | FT-CAP, High Temperature            |
| RoHS                     | Yes                                 |
| Termination              | Flexible Termination                |
| Marking                  | No                                  |
| AEC-Q200                 | No                                  |
| Typical Component Weight | 21 mg                               |
| Shelf Life               | 78 Weeks                            |
| MSL                      | 1                                   |

| Specifications   |  |
|--|--|
| Capacitance  | 0.27 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 50 VDC   |
| Dielectric Withstanding Voltage  | 125 VDC  |
| Temperature Range  | -55/+175°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15% (-55C to 125C), 1kHz 1.0Vrms                   |
| Dissipation Factor   | 2.5% 1 kHz 1.0 Vrms                                |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 1.8519 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 05/04/2025 © 2006 - 2025 YAGEO