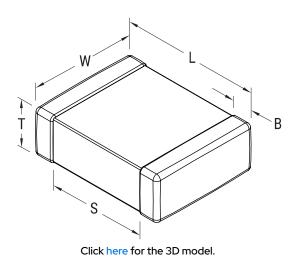


YAGEO & KEMET

SMD HRA X7R, Ceramic, 0.47 uF, 10%, 6.3 VDC, X7R, High Reliability Alternative (HRA), X-LEVEL, Flex Termination, SnPb, 0603, 0.4 mm



| General Information      |   |
|--------------------------|---|
| Series                   | SMD HRA X7R   |
| Style                    | SMD Chip  |
| Description              | High Reliability Alternative<br>(HRA), X-LEVEL, Flex<br>Termination, SnPb |
| RoHS                     | No  |
| Prop 65                  | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /  |
| Termination              | Flexible Termination With Lead (SnPb)                                     |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 7.3 mg  |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

| 503            |
|----------------|
| mm +/-0.17mm   |
| 3mm +/-0.15mm  |
| 3mm +/-0.15mm  |
| 4mm MIN        |
| 45mm +/-0.15mm |
| 1              |

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

| Specifications   |  |
|--|--|
| Capacitance  | 0.47 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 6.3 VDC  |
| Dielectric Withstanding Voltage  | 15.75 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   | 5% 1 kHz 1.0Vrms                                   |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 1.0638 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.

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