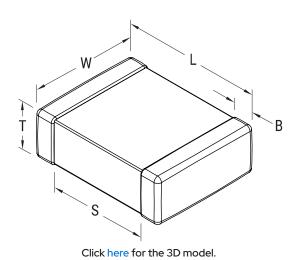


## C0603C474Z4VACTU

Aliases (C0603C474Z4VAC7867) SMD Comm Y5V, Ceramic, 0.47 uF, -20/+80%, 16 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 0603, 0.5 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm Y5V                             |
| Style                    | SMD Chip                                 |
| Description              | SMD, MLCC, General Purpose,<br>Class III |
| Features                 | Class III                                |
| RoHS                     | Yes                                      |
| Termination              | Tin                                      |
| Marking                  | No                                       |
| AEC-Q200                 | No                                       |
| Typical Component Weight | 6.5 mg                                   |
| Shelf Life               | 78 Weeks                                 |
| MSL                      | 1  |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.10mm  |
| S          | 0.5mm MIN        |
| В          | 0.35mm +/-0.15mm |
|            |                  |

| W                        | 0.8mm +/-0.15mm  |  |
|--------------------------|------------------|--|
| Т                        | 0.8mm +/-0.10mm  |  |
| S                        | 0.5mm MIN        |  |
| В                        | 0.35mm +/-0.15mm |  |
|                          |                  |  |
| Packaging Specifications |                  |  |

| В                        | 0.35mm +/-0.15mm       | Temperature Range                         |
|--------------------------|------------------------|---|
|                          |                        | Temp. Coefficient                         |
| Packaging Specifications |                        | Capacitance Change with                   |
| Packaging                | T&R, 180mm, Paper Tape | Reference to +25°C and (<br>Applied (TCC) |
| Packaging Quantity       | 4000                   | Dissipation Factor                        |
|                          |                        |   |

| Specifications   |  |
|--|--|
| Capacitance  | 0.47 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | -20/+80%   |
| Voltage DC   | 16 VDC   |
| Dielectric Withstanding Voltage  | 40 VDC   |
| Temperature Range  | -30/+85°C  |
| Temp. Coefficient  | Y5V  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | +22%/-82%, 1kHz 1.0Vrms                            |
| Dissipation Factor   | 7% 1 kHz 1.0Vrms                                   |
| Aging Rate   | 7% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 212.8 MOhms  |

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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