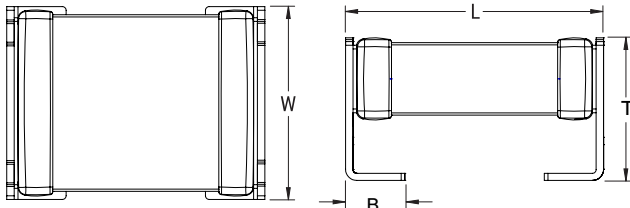


TOP VIEW  
Single or Double Chip Stack

PROFILE VIEW  
Single Chip Stack



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

#### General Information

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Series                   | KPS SMD Auto X7R                                            |
| Style                    | Stacked Chip                                                |
| Description              | SMD, MLCC, Stacked, Single Chip, Class II, Automotive Grade |
| Features                 | Automotive Grade                                            |
| RoHS                     | Yes                                                         |
| Termination              | Tin                                                         |
| Qualifications           | AEC-Q200                                                    |
| AEC-Q200                 | Yes                                                         |
| Typical Component Weight | 410 mg                                                      |
| Shelf Life               | 78 Weeks                                                    |
| MSL                      | 1                                                           |

#### Specifications

|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 10 uF                                           |
| 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 Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor                                                 | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate                                                         | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 50 MOhms                                        |

#### Dimensions

|   |                 |
|---|-----------------|
| L | 6mm +/-0.5mm    |
| W | 5mm +/-0.5mm    |
| T | 3.5mm +/-0.30mm |
| B | 1.6mm +/-0.3mm  |

#### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 300                      |

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