



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

#### General Information

|                          |   |
|--------------------------|---|
| Series                   | KPS SMD Auto X8L HT150C   |
| Style                    | Stacked Chip  |
| Description              | SMD, MLCC, Stacked, Double Chip, High Temperature, Automotive Grade |
| Features                 | High Temperature, Automotive Grade                                  |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 290 mg  |
| Chip Size                | 1210-2  |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

#### Dimensions

|   |                  |
|---|------------------|
| L | 3.5mm +/-0.3mm   |
| W | 2.6mm +/-0.3mm   |
| T | 6.15mm +/-0.15mm |
| B | 0.8mm +/-0.15mm  |

#### Packaging Specifications

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

#### Specifications

|  |   |
|--|---|
| Capacitance  | 4.7 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms   |
| Tolerance  | 20%   |
| Voltage DC   | 25 VDC  |
| Dielectric Withstanding Voltage                                    | 62.5 VDC  |
| Temperature Range  | -55/+150°C  |
| Temp. Coefficient  | X8L   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | +15% (-55C to +125C), +15/-40% (125C to 150C), 1kHz 1.0Vrms |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms  |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours             |
| Insulation Resistance  | 106.4 MOhms   |

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