

**KEMET Part Number: SM25B103K202BM**  
(SM25B103K202M)



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KPS SM SMD Indust X7R HV, Ceramic, 0.01 uF, 10%, 2000 VDC, X7R, SMD, Fixed, High Volt, Low ESR, Leaded, Mil-Screen, SM25



| Dimensions |                    |
|------------|--------------------|
| Chip Size  | SM25               |
| L          | 13.97mm +/-0.762mm |
| W          | 12.7mm +/-0.762mm  |
| T          | 5.588mm MAX        |
| A          | 10.2mm MAX         |
| B          | 2.54mm +/-0.508mm  |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging:               | Tray |
| Packaging Quantity:      | 50   |

| General Information      |  |
|--------------------------|--|
| Series:                  | KPS SM SMD Indust X7R HV                           |
| Style:                   | SMD Chip   |
| Description:             | SMD, Fixed, High Volt, Low ESR, Leaded, Mil-Screen |
| Features:                | Low ESR, Mil-Screen                                |
| RoHS:                    | With Exemptions                                    |
| REACH:                   | SVHC (Pb – CAS 7439-92-1)                          |
| Termination:             | Silver   |
| Marking:                 | No   |
| Testing and Reliability: | Level A  |
| AEC-Q200:                | No   |
| Shelf Life:              | 78 Weeks   |
| MSL:                     | 1  |

| Specifications                   |            |
|----------------------------------|------------|
| Capacitance:                     | 0.01 uF    |
| Capacitance Tolerance:           | 10%        |
| Voltage DC:                      | 2000 VDC   |
| Dielectric Withstanding Voltage: | 2400 VDC   |
| Temperature Range:               | -55/+125°C |
| Temperature Coefficient:         | X7R        |
| Dissipation Factor:              | 2.5%       |
| Insulation Resistance:           | 100 GOhms  |
| Quality Factor:                  | 3          |

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