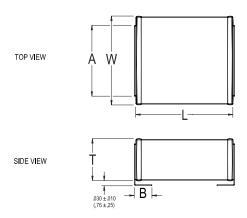
## KEMET Part Number: SM25B103K202BM

(SM25B103K202M)



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  |  |
| Т          | 5.588mm MAX        |  |
| Α          | 10.2mm MAX         |  |
| В          | 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<br>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   |  |

| <b>Specifications</b>               |            |
|-------------------------------------|------------|
| Capacitance:                        | 0.01 uF    |
| Capacitance Tolerance:              | 10%        |
| Voltage DC:                         | 2000 VDC   |
| Dielectric Withstanding<br>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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