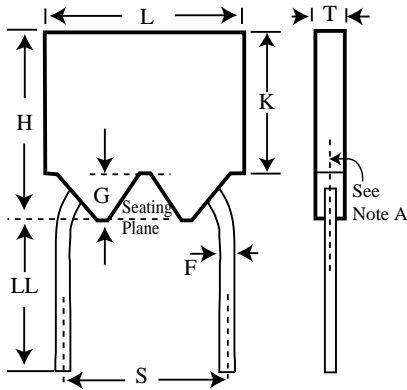


**KEMET Part Number: CKR05BX103KSV**  
(C056T103K1X5CS, M39014/01-1575V)

LDD Mil X7R PRF39014, Ceramic, Military/High Reliability, 0.01 uF, 10%, 100 VDC, BX, S (0.001%/1000 Hrs), Lead Spacing = 5.08mm



**Dimensions**

|    |                         |
|----|-------------------------|
| L  | 4.826mm +/-0.254mm      |
| H  | 5.486mm +/-0.254mm      |
| T  | 2.286mm +/-0.254mm      |
| S  | 5.08mm +/-0.381mm       |
| LL | 31.75mm MIN             |
| F  | 0.635mm +0.102/-0.051mm |
| G  | 0.66mm MIN              |
| K  | 4.826mm +/-0.254mm      |

**Packaging Specifications**

|                     |           |
|---------------------|-----------|
| Packaging:          | Bulk, Bag |
| Packaging Quantity: | 100       |

**General Information**

|                          |  |
|--------------------------|--|
| Supplier:                | KEMET  |
| Series:                  | LDD Mil X7R PRF39014   |
| Style:                   | Radial   |
| RoHS:                    | No   |
| Termination:             | Lead (SnPb)  |
| Failure Rate:            | S (0.001%/1000 Hrs)  |
| Testing and Reliability: | MIL-PRF-39014  |
| Qualifications:          | MIL-PRF-39014  |
| Notes:                   | Lead Length Shown Is For Parts Supplied In Bulk, See Packaging Specifications For Lead Lengths When Not Provided In Bulk |

**Specifications**

|                                  |           |
|----------------------------------|-----------|
| Capacitance:                     | 0.01 uF   |
| Capacitance Tolerance:           | 10%       |
| Voltage DC:                      | 100 VDC   |
| Dielectric Withstanding Voltage: | 250 V     |
| Temperature Range:               | -55/+125C |
| Temperature Coefficient:         | BX        |
| Dissipation Factor:              | 2.5%      |
| Insulation Resistance:           | 100 GOhms |