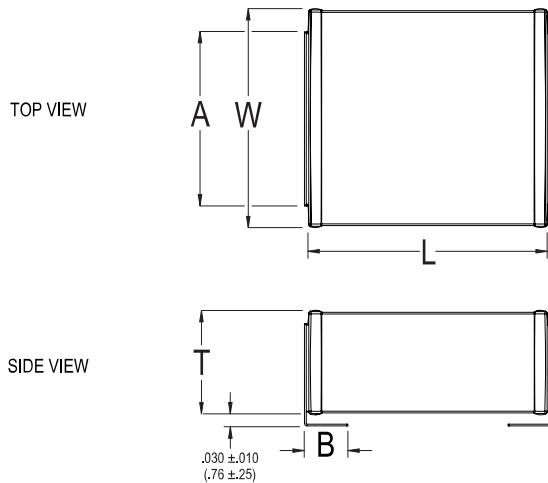


SM25B103K502B

Aliases (SM25B103K502)

KPS SM SMD Indust X7R HV, Ceramic, 0.01 uF, 10%, 5,000 VDC, X7R, SM25



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

General Information

Series	KPS SM SMD Indust X7R HV
Style	Stacked Chip
Description	SMD, Fixed, High Volt, Low ESR, Leaded, Industrial
Features	High Voltage, Low ESR, Industrial Grade
RoHS	With Exemptions
REACH	SVHC (Pb – CAS 7439-92-1)
Termination	Silver
AEC-Q200	No
Chip Size	SM25
Shelf Life	78 Weeks
MSL	1

Dimensions

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

Specifications

Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	5000 VDC
Dielectric Withstanding Voltage	6,000 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
Insulation Resistance	100 GOhms

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