

**KEMET Part Number: SM35B225K501B**  
(SM35B225K501)



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KPS SM SMD Indust X7R HV, Ceramic, 2.2 uF, 10%, 500 VDC, X7R, SMD, Fixed, High Volt, Low ESR, Leaded, Industrial, SM35



Dimensions	
Chip Size	SM35
L	27.94mm +/-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:	10

General Information	
Series:	KPS SM SMD Indust X7R HV
Style:	SMD 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
Marking:	No
AEC-Q200:	No
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	2.2 uF
Capacitance Tolerance:	10%
Voltage DC:	500 VDC
Dielectric Withstanding Voltage:	750 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Dissipation Factor:	2.5%
Insulation Resistance:	500 MOhms
Quality Factor:	3

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