

**KEMET Part Number: SM22B823K102B**  
(SM22B823K102)

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KPS SM SMD Indust X7R HV, Ceramic, 0.082 uF, 10%, 1000 VDC, X7R, SMD, Fixed, High Volt, Low ESR, Leaded, Industrial, SM22



Dimensions	
Chip Size	SM22
L	6.35mm +/-0.508mm
W	5.08mm +/-0.508mm
T	4.572mm MAX
A	2.54mm MAX
B	1.016mm +/-0.254mm

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, 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:	0.082 uF
Capacitance Tolerance:	10%
Voltage DC:	1000 VDC
Dielectric Withstanding Voltage:	1500 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Dissipation Factor:	2.5%
Insulation Resistance:	12.2 GOhms
Quality Factor:	3

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