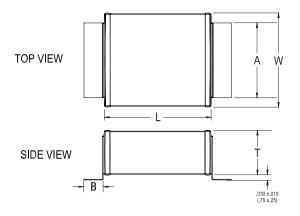
## **KEMET Part Number: SM23B823K102A**



KPS SM SMD Indust X7R HV, Ceramic, 0.082 uF, 10%, 1000 VDC, X7R, SMD, Fixed, High Volt, Low ESR, Leaded, Industrial, SM23



Dimensions		
Chip Size	SM23	
L	8.89mm +/-0.762mm	
W	7.62mm +/-0.762mm	
Т	5.588mm MAX	
Α	5.08mm 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 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	

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



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