

**KEMET Part Number: M3253503E2X224KZMB**  
(C0603K224K8RML)



SMD MIL X7R PRF32535, Ceramic, Military/High Reliability, 0.22 uF, 10%, 10 VDC, X7R, SMD, Conformal, Military, Low ESR, MIL-PRF-32535, N/A, 0603



Dimensions	
L	1.6mm +/-0.15mm (0.063 in +/-0.006 in)
W	0.81mm +/-0.15mm (0.032 in +/-0.006 in)
T	0.99mm MAX (0.039 in MAX)
B	0.41mm +/-0.2mm (0.016 in +/-0.008 in)

Packaging Specifications	
Weight:	6300 ug
Packaging:	Waffle
Packaging Quantity:	100

General Information	
Supplier:	KEMET
Series:	SMD MIL X7R PRF32535
Style:	SMD Chip
Description:	SMD, Conformal, Military, Low ESR, MIL-PRF-32535
RoHS:	No
Termination:	Solder Plated
Failure Rate:	N/A
Qualifications:	MIL-PRF-32535
Notes:	2mm Pitch T&R packaging option will double quantity. Only for 0603 Chip Size
Chip Size:	0603

Specifications	
Capacitance:	0.22 uF
Capacitance Tolerance:	10%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 V
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	5.00% 1MHz 25C
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	2.27 GOhms

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