## KEMET Part Number: M3253502E2A682KZMB

(C0402K682K5RML)



SMD MIL X7R PRF32535, Ceramic, Military/High Reliability, 6800 pF, 10%, 50 VDC, X7R, SMD, Conformal, Military, Low ESR, MIL-PRF-32535, N/A, 0402



Dimensions		
L	1.02mm +/-0.1mm	
	(0.04 in +/-0.004 in)	
w	0.51mm +/-0.1mm	
	(0.02 in +/-0.004 in)	
Т	0.61mm MAX (0.024 in MAX)	
В	0.1mm MIN (0.004 in MIN)	

Packaging Specifications		
Weight:	1600 ug	
Packaging:	Waffle	
Packaging Quantity:	368	

General Information	
Supplier:	KEMET
Series:	SMD MIL X7R PRF32535
Style:	SMD Chip
Description:	SMD, Conformal, Military, Low ESR, MIL-PRF-32535
RoHS:	No
Prop 65:	warning: Cancer and reproductive harm - www.p65warnings.ca.gov.
REACH:	SVHC (Pb – CAS 7439-92-1)
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:	0402

Specifications		
Capacitance:	6800 pF	
Capacitance Tolerance:	10%	
Voltage DC:	50 VDC	
Dielectric Withstanding Voltage:	125 V	
Temperature Range:	-55/+125C	
Temperature Coefficient:	X7R	
Dissipation Factor:	2.50% 1MHz 25C	
Aging Rate:	0% Loss/Decade Hour	
Insulation Resistance:	100 GOhms	

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