


**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	
<b>L</b>	1.02mm +/-0.1mm (0.04 in +/-0.004 in)
<b>W</b>	0.51mm +/-0.1mm (0.02 in +/-0.004 in)
<b>T</b>	0.61mm MAX (0.024 in MAX)
<b>B</b>	0.1mm MIN (0.004 in MIN)

Packaging Specifications	
<b>Weight:</b>	1600 ug
<b>Packaging:</b>	Waffle
<b>Packaging Quantity:</b>	368

General Information	
<b>Supplier:</b>	KEMET
<b>Series:</b>	SMD MIL X7R PRF32535
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, Conformal, Military, Low ESR, MIL-PRF-32535
<b>RoHS:</b>	No
<b>Prop 65:</b>	 <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .
<b>REACH:</b>	SVHC (Pb – CAS 7439-92-1)
<b>Termination:</b>	Solder Plated
<b>Failure Rate:</b>	N/A
<b>Qualifications:</b>	MIL-PRF-32535
<b>Notes:</b>	2mm Pitch T&R packaging option will double quantity. Only for 0603 Chip Size
<b>Chip Size:</b>	0402

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