

**KEMET Part Number: M3253508E2W106KZMB**  
(C2220K106K9RML)

SMD MIL X7R PRF32535, Ceramic, Military/High Reliability, 10 uF, 10%, 6.3 VDC, X7R, SMD, Conformal, Military, Low ESR, MIL-PRF-32535, N/A, 2220



**Dimensions**

<b>L</b>	5.69mm +/-0.41mm (0.224 in +/-0.016 in)
<b>W</b>	5mm +/-0.41mm (0.197 in +/-0.016 in)
<b>T</b>	2.79mm MAX (0.11 in MAX)
<b>B</b>	0.64mm +/-0.46mm (0.025 in +/-0.018 in)

**Packaging Specifications**

<b>Weight:</b>	430 mg
<b>Packaging:</b>	Waffle
<b>Packaging Quantity:</b>	80

**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>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>	2220

**Specifications**

<b>Capacitance:</b>	10 uF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	6.3 VDC
<b>Dielectric Withstanding Voltage:</b>	15.75 V
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	X7R
<b>Dissipation Factor:</b>	7.50% 1kHz 25C
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	50 MOhms