



Click [here](#) for the 3D model.

### Dimensions

Chip Size	1812
L	4.52mm +/-0.3mm (0.178 in +/-0.012 in)
W	3.2mm +/-0.3mm (0.126 in +/-0.012 in)
T	2.79mm MAX (0.11 in MAX)
B	0.61mm +/-0.46mm (0.024 in +/-0.018 in)

### Packaging Specifications

Packaging	Waffle
Packaging Quantity	80

### General Information

Series	SMD MIL X7R PRF32535
Style	SMD Chip
Description	SMD, Military, Low ESR, MIL-PRF-32535
RoHS	No
Prop 65	<b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> .
Termination	Solder Plated
Failure Rate	N/A
Qualifications	MIL-PRF-32535
AEC-Q200	No
Component Weight	216 mg

### Specifications

Capacitance	3.9 uF
Capacitance Tolerance	10%
Voltage DC	16 VDC
Dielectric Withstanding Voltage	40 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	X7R
Dissipation Factor	3.5% 1 kHz 25C
Aging Rate	3% Loss/Decade Hour
Insulation Resistance	130 MOhms

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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