

KEMET Part Number: M3253502E2A682KZMB
(C0402K682K5RML)

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




Dimensions

Chip Size	0402
L	1.02mm +0.15/-0.1mm (0.04 in +0.006/-0.004 in)
W	0.51mm +0.13/-0.1mm (0.02 in +0.005/-0.004 in)
T	0.64mm MAX (0.025 in MAX)
B	0.1mm MIN (0.004 in MIN)

Packaging Specifications

Packaging:	Waffle
Packaging Quantity:	368

General Information

Series:	SMD MIL X7R PRF32535
Style:	SMD Chip
Description:	SMD, Military, Low ESR, MIL-PRF-32535
RoHS:	No
Prop 65:	 WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov .
SCIP Number:	d66873f5-e54d-410c-a0cf-ebf6fcf635b5
Termination:	Solder Plated
Failure Rate:	N/A
Qualifications:	MIL-PRF-32535
AEC-Q200:	No
Component Weight:	1600 ug

Specifications

Capacitance:	6800 pF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Dissipation Factor:	2.5% 1 MHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	100 GOhms

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