

**KEMET Part Number: M3253502E2X682KZTB**  
(C0402K682K8RTL7189)

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




#### Dimensions

Dimensions	
Chip Size	0402
L	1.02mm +/-0.1mm (0.04 in +/-0.004 in)
W	0.51mm +/-0.1mm (0.02 in +/-0.004 in)
T	0.61mm MAX (0.024 in MAX)
B	0.1mm MIN (0.004 in MIN)

#### Packaging Specifications

Weight:	1600 ug
Packaging:	T&R
Packaging Quantity:	10000

#### 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">www.p65warnings.ca.gov</a>
REACH:	SVHC (Pb – CAS 7439-92-1)
Termination:	Solder Plated
Failure Rate:	N/A
Qualifications:	MIL-PRF-32535
AEC-Q200:	No

#### Specifications

Capacitance:	6800 pF
Capacitance Tolerance:	10%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	X7R
Dissipation Factor:	5.00% 1MHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	73.53 GOhms

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