

Capacitor, Tantalum, SMD, MnO₂, Molded, Hi-Temp, 175C, Auto, AEC-Q200, 6.8 uF, 3528, +/-10% Tol, 6.3 VDC (85C)



General Information	
Supplier:	KEMET
Application:	Automotive/High Temp (AEC-Q200 Qualified)
Sub Application:	(175C)
Part Type Description:	SMD, MnO ₂ , Molded, Hi-Temp, 175C, Auto, AEC-Q200
Construction:	Standard Chip-MnO ₂
Body Type:	SMD Chip
Footprint:	3528
Weight:	107.45 mg
RoHS:	Yes

Dimensions (mm)		
Symbol	Dimension	Tolerance
L	3.5	+/-0.2
W	2.8	+/-0.2
H	1.9	+/-0.2
F	2.2	+/-0.1
S	0.8	+/-0.3
B	0.4	+/-0.15
X	0.1	+/-0.1
P	0.5	REF
R	1	REF
T	0.13	REF
A	1.1	MIN
G	1.8	REF
E	2.2	REF

Specifications	
Capacitance:	6.8 uF
Tolerance:	+/-10%
Voltage:	6.3 VDC (85C)
Voltage:	4.9 VDC (125C)
Voltage:	3.15 VDC (175C)
Temperature Range:	-55/+175C
Testing:	AEC-Q200
Current/Ripple Current:	156 mA (25C)
Current/Ripple Current:	140.4 mA (85C)
Current/Ripple Current:	31.2 mA (175C)
Resistance/ESR:	3500 mOhms (100kHz)
Failure Rate:	N/A
Leakage Current:	0.5 uA
Dissipation Factor:	6%

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	2000

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