

Capacitor, Tantalum, SMD, MnO₂, Molded, Hi-Temp, 175C, Auto, AEC-Q200, 1 uF, 3528, +/-10% Tol, 35 VDC (85C)



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

Packaging Specifications

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

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
Approvals:	AEC-Q200
RoHS:	Yes

Specifications

Capacitance:	1 uF
Tolerance:	+/-10%
Voltage:	35 VDC (85C)
Voltage:	27.22 VDC (125C)
Voltage:	17.5 VDC (175C)
Temperature Range:	-55/+175C
Current/Ripple Current:	130 mAmps (25C)
Current/Ripple Current:	117 mAmps (85C)
Current/Ripple Current:	26 mAmps (175C)
Resistance/ESR:	5000 mOhms (100kHz)
Failure Rate:	N/A
Leakage Current:	0.5 uA
Dissipation Factor:	4%