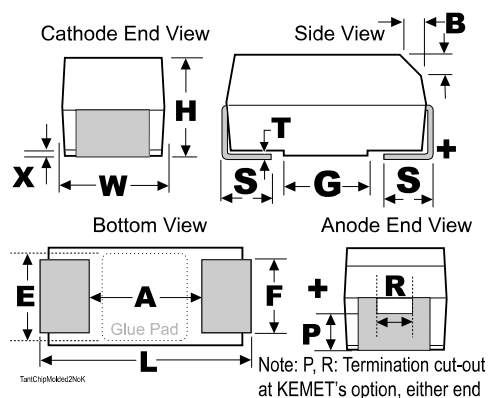


Capacitor, Tantalum, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 175C, Auto, AEC-Q200, 33 uF, 6032, +/-10% Tol, 6.3 VDC (85C)



### General Information

Supplier:	KEMET
Application:	Automotive/High Temp (AEC-Q200 Qualified)
Sub Application:	(175C)
Part Type Description:	SMD, MnO <sub>2</sub> , Molded, Hi-Temp, 175C, Auto, AEC-Q200
Construction:	Standard Chip-MnO <sub>2</sub>
Body Type:	SMD Chip
Footprint:	6032
Weight:	224.48 mg
RoHS:	Yes

### Dimensions (mm)

Symbol	Dimension	Tolerance
L	6	+/-0.3
W	3.2	+/-0.3
H	2.5	+/-0.3
F	2.2	+/-0.1
S	1.3	+/-0.3
B	0.5	+/-0.15
X	0.1	+/-0.1
P	0.9	REF
R	1	REF
T	0.13	REF
A	2.5	MIN
G	2.8	REF
E	2.4	REF

### Specifications

Capacitance:	33 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:	247 mA (25C)
Current/Ripple Current:	222.3 mA (85C)
Current/Ripple Current:	49.4 mA (175C)
Resistance/ESR:	1800 mOhms (100kHz)
Failure Rate:	N/A
Leakage Current:	2.1 uA
Dissipation Factor:	6%

### Packaging Specifications

Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	500