

## T489A106M010ATA1K8

T489 Auto, Tantalum, MnO<sub>2</sub> Tantalum, Commercial Grade, 10 uF, 20%, 10 VDC, SMD, MnO<sub>2</sub>, Molded, Low Leakage, Auto, AEC-Q200, 1.8 Ohms, 3216, 1.8 mm, 0.8 mm



Click [here](#) for the 3D model.

### General Information

Series	T489 Auto
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Low Leakage, Auto, AEC-Q200
Features	Low Leakage, Automotive
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	58.6 mg

### Specifications

Capacitance	10 uF
Tolerance	20%
Voltage DC	10 VDC (85°C), 6.7 VDC (125°C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	1800 mOhms (100kHz 25C)
Ripple Current	204 mA (rms, 100kHz 25C)
Leakage Current	0.8 uA (5min 25°C)

### Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
H	1.6mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	1.2mm +/-0.1mm
A	1.2mm MIN
B	0.4mm +/-0.15mm
E	1.3mm REF
G	1.1mm REF
P	0.4mm REF
R	0.4mm REF
X	0.1mm +/-0.1mm REF

### Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.