

T493C686K010CB632C

T493 Space, Tantalum, MnO₂ Tantalum, Space, 68 uF, 10%, 10 VDC, SMD, MnO₂, Molded, Aerospace, C (0.01%/1000 Hrs), 300 mOhms, 6032, 2.8 mm, 1.3 mm



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General Information

Series	T493 Space
Dielectric	MnO ₂ Tantalum
Style	SMD Chip
Description	SMD, MnO ₂ , Molded, Aerospace
Features	Aerospace
RoHS	Yes
Termination	Gold
AEC-Q200	No
Typical Component Weight	224.2 mg
Notes	P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present).

Dimensions

L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
H	2.5mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
A	3.1mm MIN
B	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
K	1mm MIN
P	0.5mm MIN
R	1mm REF
X	0.1mm +/-0.1mm REF

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500

Specifications

Capacitance	68 uF
Tolerance	10%
Voltage DC	10 VDC (85C), 6.7 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	C (0.01%/1000 Hrs)
ESR	0.3 Ohms (100kHz 25C)
Ripple Current	606 mA (rms, 100kHz 25C)
Leakage Current	6.8 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Testing At -55C And +85C After Weibull; Additional Testing Option C

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