

T493 Space, Tantalum, MnO2 Tantalum, Space, 1 uF, 10%, 50 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 1.6 Ohms, 6032, Height Max = 2.8mm



Dimensions	
Footprint	6032
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

Packaging Specifications	
Packaging:	T&R, 178mm
Packaging Quantity:	500

General Information	
Series:	T493 Space
Dielectric:	MnO2 Tantalum
Style:	SMD Chip
Description:	SMD, MnO2, Molded, Aerospace
Features:	Aerospace
RoHS:	No
Prop 65:	WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov .
SCIP Number:	1dd2e1b8-26dd-4d52-927c-6f9d519011aa
Termination:	Solder Coated
AEC-Q200:	No
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).

Specifications	
Capacitance:	1 uF
Capacitance Tolerance:	10%
Voltage DC:	50 VDC (85C), 33.5 VDC (125C)
Temperature Range:	-55/+125°C
Rated Temperature:	85°C
Dissipation Factor:	4% 120Hz 20C
Failure Rate:	C (0.01%/1000 Hrs)
Resistance:	1.6 Ohms (100kHz 20C)
Leakage Current:	0.5 uA (5min 20°C)
Testing and Reliability:	10 Cycles Surge Testing At -55C And +85C Before Weibull; Additional Testing Option C

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