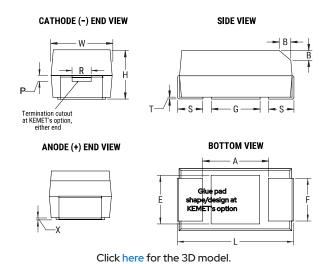


T493D686K016CH642C

T493 Space, Tantalum, MnO2 Tantalum, Space, 68 uF, 10%, 16 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 150 mOhms, 7343, 3.1 mm, 1.3 mm



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 - https://www.p65warnings.ca.gov /
SCIP Number	1dd2e1b8-26dd-4d52-927c-6f9 d519011aa
Termination	Tin Lead (SnPb)
AEC-Q200	No
Typical Component Weight	412.33 mg
Notes	P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present).

L 7.3mm +/-0.3mm W 4.3mm +/-0.3mm H 2.8mm +/-0.3mm T 0.13mm REF S 1.3mm +/-0.3mm F 2.4mm +/-0.1mm A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN R 1mm REF	Dimensions	
H 2.8mm +/-0.3mm T 0.13mm REF S 1.3mm +/-0.3mm F 2.4mm +/-0.1mm A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	L	7.3mm +/-0.3mm
T 0.13mm REF S 1.3mm +/-0.3mm F 2.4mm +/-0.1mm A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	W	4.3mm +/-0.3mm
S 1.3mm +/-0.3mm F 2.4mm +/-0.1mm A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	Н	2.8mm +/-0.3mm
F 2.4mm +/-0.1mm A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	Т	0.13mm REF
A 3.8mm MIN B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	S	1.3mm +/-0.3mm
B 0.5mm +/-0.15mm E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	F	2.4mm +/-0.1mm
E 3.5mm REF G 3.5mm REF K 1mm MIN P 0.5mm MIN	A	3.8mm MIN
G 3.5mm REF K 1mm MIN P 0.5mm MIN	В	0.5mm +/-0.15mm
K 1mm MIN P 0.5mm MIN	E	3.5mm REF
P 0.5mm MIN	G	3.5mm REF
	K	1mm MIN
R 1mm REF	P	0.5mm MIN
	R	1mm REF
X 0.1mm +/-0.1mm REF	Χ	0.1mm +/-0.1mm REF

Specifications	
Capacitance	68 uF
Tolerance	10%
Voltage DC	16 VDC (85C), 10.72 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	C (0.01%/1000 Hrs)
ESR	0.15 Ohms (100kHz 25C)
Ripple Current	1000 mA (rms, 100kHz 25C)
Leakage Current	10.9 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Testing At -55C And +85C Before Weibull; Additional Testing Option C

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

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