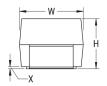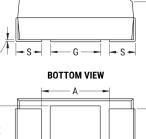# T493X685K050CH642B

T493 Space, Tantalum, MnO2 Tantalum, Space, 6.8 uF, 10%, 50 VDC, SMD, MnO2, Molded, Aerospace, C (0.01%/1000 Hrs), 500 mOhms, 7343, Height Max = 4.3mm
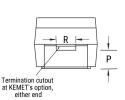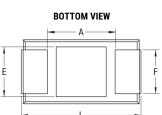
KEMET
a YAGEO company

CATHODE (−) END VIEW

SIDE VIEW

ANODE (+) END VIEW

BOTTOM VIEW

Termination cutout at KEMET's option, either end

Click here for the 3D model.

Dimensions

Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	4mm +/-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
P	1.7mm REF
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 – http://www.p65warnings.ca.gov.
SCIP Number	1dd2e1b8-26dd-4d52-927c-6f9d519011aa
Termination	Solder Coated
AEC-Q200	No
Component Weight	654.04 mg

Specifications

Capacitance	6.8 uF
Capacitance Tolerance	10%
Voltage DC	50 VDC (85C), 33.5 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	C (0.01%/1000 Hrs)
Resistance	0.5 Ohms (100kHz 25C)
Ripple Current	574 mA (rms, 100kHz 25C)
Leakage Current	3.5 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Testing At -55C And +85C Before Weibull; Additional Testing Option B