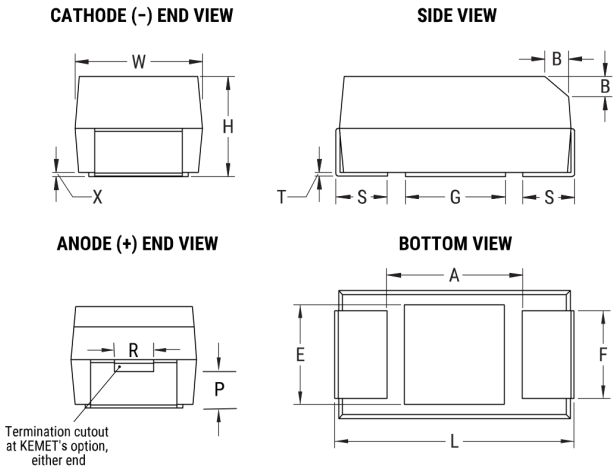
T493C105K050BH6210

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 1 uF, 10%, 50 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 5.5 Ohms, 6032, Height Max = 2.8mm



Click here for the 3D model.

General Information

Series	T493 HRA
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, High Reliability
Features	High Reliability
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	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

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
P	0.5mm MIN
R	1mm REF
X	0.1mm +/-0.1mm

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 25C
Failure Rate	B (0.1%/1000 Hrs)
Resistance	5.5 Ohms (100kHz 25C)
Ripple Current	141 mA (rms, 100kHz 25C)
Leakage Current	0.5 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Current Testing At +25C After Weibull

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	500