

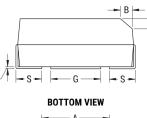
## T493C105K050BH6210

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

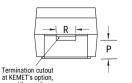
**CATHODE (-) END VIEW** 

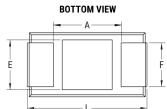


ANODE (+) END VIEW



SIDE VIEW





at	KEMET's option,	
	either end	

Click here for the 3D model.

Dimensions	
Footprint	6032
L	6mm +/-0.3mm
W	3.2mm +/-0.3mm
Н	2.5mm +/-0.3mm
т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.2mm +/-0.1mm
А	3.1mm MIN
В	0.5mm +/-0.15mm
E	2.4mm REF
G	2.8mm REF
Р	0.5mm MIN
R	1mm REF
Х	0.1mm +/-0.1mm

Т

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

General Information				
Series	T493 HRA			
Dielectric	MnO2 Tantalum			
Style	SMD Chip			
Description	SMD, MnO2, Molded, High Reliability			
Features	High Reliability			
RoHS	No			
Prop 65	A 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).			

Specifications				
Capacitance	1uF			
Capacitance Tolerance	10%			
Voltage DC	50 VDC (85C), 33.5 VDC (125C)			
Temperature Range	-55/+125°C			
Rated Temperature	85°C			
<b>Dissipation Factor</b>	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			

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.