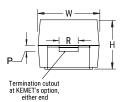


## T493A105K010CB6420

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 1 uF, 10%, 10 VDC, SMD, MnO2, Molded, High Reliability, C (0.01%/1000 Hrs), 6 Ohms, 3216, 1.8 mm, 0.8 mm

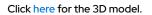
CATHODE (-) END VIEW



ANODE (+) END VIEW

B - S -- |- s-— G -BOTTOM VIEW ٠A pad shape/design at KEMET's option

SIDE VIEW



General Information	
Series	T493 HRA
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, High Reliability
Features	High Reliability
RoHS	Yes
Termination	Gold
AEC-Q200	No
Typical Component Weight	58.97 mg
Notes	P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present).

Dimensions		Sp
L	3.2mm +/-0.2mm	Ca
W	1.6mm +/-0.2mm	Tol
н	1.6mm +/-0.2mm	Vol
т	0.13mm REF	Ter
S	0.8mm +/-0.3mm	Rat
F	1.2mm +/-0.1mm	Dis
A	1.2mm MIN	Fai
В	0.4mm +/-0.15mm	ES
E	1.3mm REF	Rip
G	1.1mm REF	Lea
Р	0.35mm MIN	Tes
R	0.4mm REF	
Х	0.1mm +/-0.1mm REF	

Packaging Specifications	
Packaging	T&R, 178mm
Packaging Quantity	2000

Specifications	
Capacitance	1uF
Tolerance	10%
Voltage DC	10 VDC (85C), 6.7 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	4% 120Hz 25C
Failure Rate	C (0.01%/1000 Hrs)
ESR	6 Ohms (100kHz 25C)
Ripple Current	112 mA (rms, 100kHz 25C)
Leakage Current	0.5 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Current Testing At -55C And +85C Before 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.