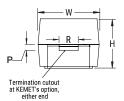


## T493D336K020BT6110

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 33 uF, 10%, 20 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 800 mOhms, 7343, 3.1 mm, 1.3 mm

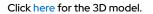
CATHODE (-) END VIEW



ANODE (+) END VIEW

Dime L W H T S F A B B B B B B C C R X BOTTOM VIEW Give pad shapp/design at KEMETs 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	Tin
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).

ensions		Spe
	7.3mm +/-0.3mm	Cap
	4.3mm +/-0.3mm	Tole
	2.8mm +/-0.3mm	Volt
	0.13mm REF	Ten
	1.3mm +/-0.3mm	Rate
	2.4mm +/-0.1mm	Diss
	3.8mm MIN	Fail
	0.5mm +/-0.15mm	ESF
	3.5mm REF	Rip
	3.5mm REF	Lea
	0.5mm MIN	Tes
	1mm REF	
	0.1mm +/-0.1mm REF	

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

Specifications	
Capacitance	33 uF
Tolerance	10%
Voltage DC	20 VDC (85C), 13.4 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	0.8 Ohms (100kHz 25C)
Ripple Current	433 mA (rms, 100kHz 25C)
Leakage Current	6.6 uA (5min 25°C)
Testing and Reliability	Standard Testing Only

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.