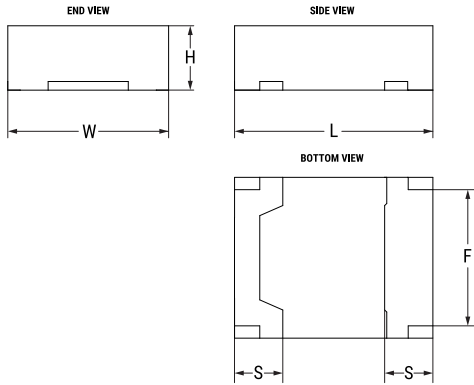


KEMET Part Number: T527T156M025ATE100
(TEFPSB31E156M1008R)



T527, Tantalum, Polymer Tantalum, Reduced Volume, 15 uF, 20%, 25 VDC, SMD, Polymer, Molded, Face Down Terminals, 100 mOhms, 3528, Height Max = 1.2mm



Dimensions	
Footprint	3528
L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.1mm +/-0.1mm
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm

Packaging Specifications	
Packaging:	T&R, 178mm

General Information	
Series:	T527
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Description:	SMD, Polymer, Molded, Face Down Terminals
Features:	Face Down, Low Profile, Low ESR
RoHS:	Yes
Termination:	Tin
AEC-Q200:	No
Component Weight:	54.84 mg
Shelf Life:	52 Weeks
MSL:	3

Specifications	
Capacitance:	15 uF
Capacitance Tolerance:	20%
Voltage DC:	25 VDC (85C), 20 VDC (105C)
Temperature Range:	-55/+105°C
Rated Temperature:	85°C
Life:	2000 Hrs (105C)
Humidity:	60C, 90% RH, 500 Hours, No Load
Dissipation Factor:	10% 120Hz 25C
Failure Rate:	N/A
Resistance:	100 mOhms (100kHz 25C)
Ripple Current:	866 mA (rms, 100kHz 45C), 779.4 mA (rms, 85C), 346.4 mA (rms, 105C)
Leakage Current:	112.5 uA (5min 25°C)

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.



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