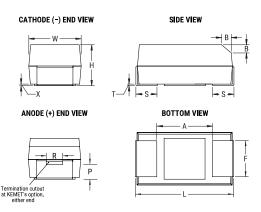
KEMET Part Number: T525D687M2R5ATE025



T525, Tantalum, Polymer Tantalum, 680 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 25 mOhms, 7343, Height Max = 3.1mm



Dimensions	
Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
Н	2.8mm +/-0.3mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
Α	3.6mm MIN
В	0.5mm +/-0.15mm
Р	0.9mm REF
R	1mm REF
Х	0.1mm +/-0.1mm

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

General Information	
Series:	T525
Dielectric:	Polymer Tantalum
Style:	SMD Chip
Description:	SMD, Polymer, Molded, Low ESR, Non-Combustible
Features:	Low ESR
RoHS:	Yes
Termination:	Tin
AEC-Q200:	No
Component Weight:	434.83 mg
Shelf Life:	52 Weeks
MSL:	3

Specifications		
Capacitance:	680 uF	
Capacitance Tolerance:	20%	
Voltage DC:	2.5 VDC (105C), 1.68 VDC (125C)	
Temperature Range:	-55/+125°C	
Rated Temperature:	105°C	
Life:	2000 Hrs (125C)	
Humidity:	60C, 90% RH, 1000 Hours, No Load	
Dissipation Factor:	10% 120Hz 25C	
Failure Rate:	N/A	
Resistance:	25 mOhms (100kHz 25C)	
Ripple Current:	3000 mA (rms, 100kHz 45C), 2100 mA (rms, 85C), 750 mA (rms, 125C)	
Leakage Current:	170 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.

