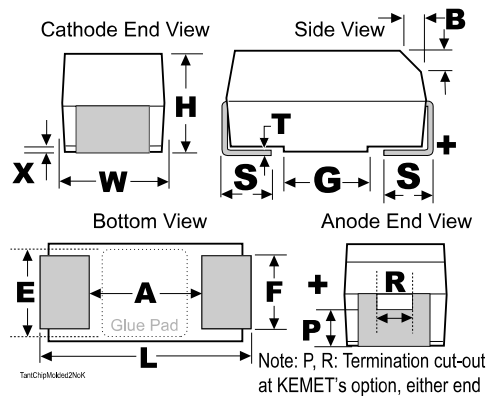


**KEMET Part Number: T491A105K016AT**  
(B45196E3105K109)

Capacitor, Tantalum, SMD, MnO<sub>2</sub>, Molded, 1 uF, 3216, +/-10% Tol, -55/+125C, 16 VDC (85C)



Dimensions (mm)		
Symbol	Dimension	Tolerance
L	3.2	+/-0.2
W	1.6	+/-0.2
H	1.6	+/-0.2
F	1.2	+/-0.1
S	0.8	+0.2/-0.3
B	0.4	+/-0.15
X	0.1	+/-0.1
P	0.4	REF
R	0.4	REF
T	0.13	REF
A	1.2	MIN
G	1.1	REF
E	1.3	REF

Packaging Specifications	
Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	2000

General Information	
Supplier:	KEMET
Application:	General Purpose
Part Type Description:	SMD, MnO <sub>2</sub> , Molded
Construction:	Standard Chip-MnO <sub>2</sub>
Body Type:	SMD Chip
Footprint:	3216
Weight:	58.6 mg
RoHS:	Yes

Specifications	
Capacitance:	1 uF
Tolerance:	+/-10%
Voltage:	16 VDC (85C)
Voltage:	10.72 VDC (125C)
Temperature Range:	-55/+125C
Current/Ripple Current:	87 mAmps (25C)
Current/Ripple Current:	78.3 mAmps (85C)
Current/Ripple Current:	34.8 mAmps (125C)
Resistance/ESR:	10 Ohms (100kHz)
Failure Rate:	N/A
Leakage Current:	0.5 uA
Dissipation Factor:	4%

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