Tantalum Product - **TAJ AUTOMOTIVE**

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	1 µF	
Capacitance Tolerance (*)	K = ±10%; M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	50 V
Category Voltage DC (V_C)	≤ 125°C	33 V
Surge Voltage (V_S)	≤ 85°C	65 V
	≤ 125°C	40 V
Temperature Range	-55°C to +125°C	
Direct Leakage Current max. @ V_R	0.5 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	7 Ohm	
Typical weight (B case)	68 mg	



RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

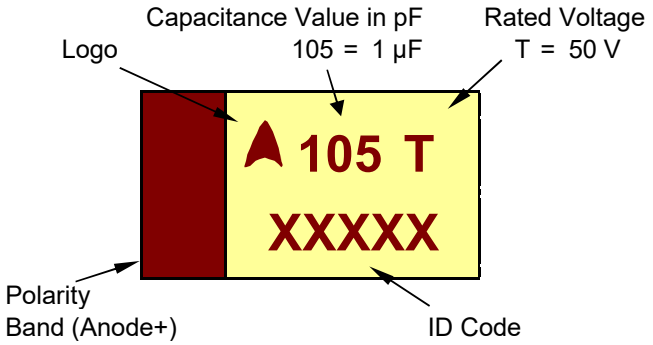
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
Meets requirements of AEC-Q200
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

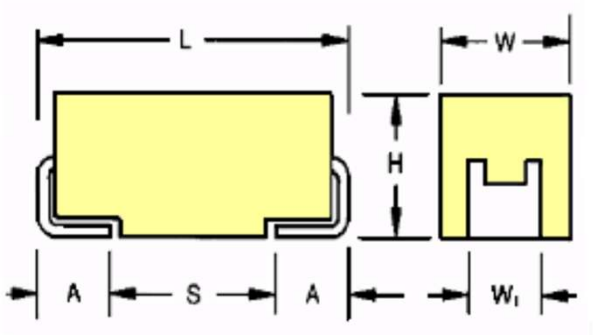
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	125˚C	25˚C	85˚C	125˚C
110	99	44	771	694	309

HOW TO ORDER:

TAJ	B	105	*	050	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging Automotive Pure Tin T = 7” Reel U = 13” Reel	Suffix

DRAWING AND DIMENSIONS:





Tantalum Product - **TAJ** Series

CASE DIMENSIONS: millimetres

Case							
EIA	Size	L ±0.2	W +0.2 –0.1	H +0.2 –0.1	A +0.3 –0.2	S min.	W1 ±0.2
3528-21	B	3.5	2.8	1.9	0.8	1.4	2.2

PACKAGING INFORMATION:

Reel Size (#)	T = 7” Reel Automotive Pure Tin	U = 13” Reel Automotive Pure Tin
Quantity	2000	8000
Tape Width	8 mm	8 mm

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