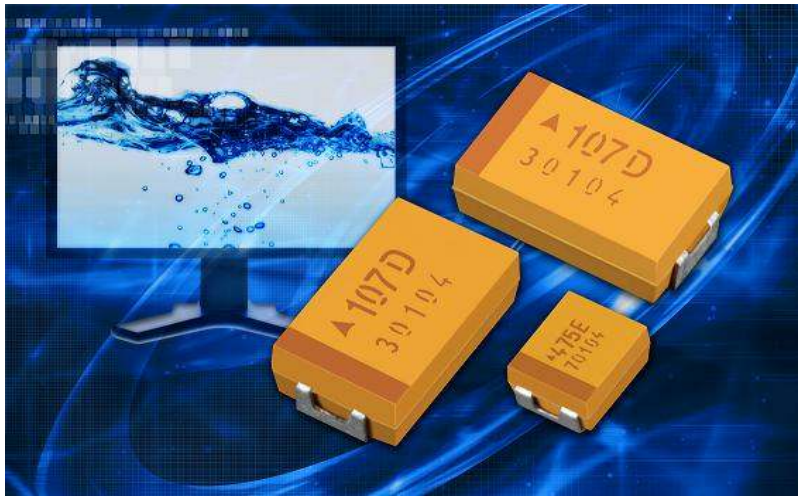
Tantalum Product - **TAJ** Series

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	4 %	
ESR max. @ 100kHz	6.6 Ohm	
Typical weight (A case)	29 mg	

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

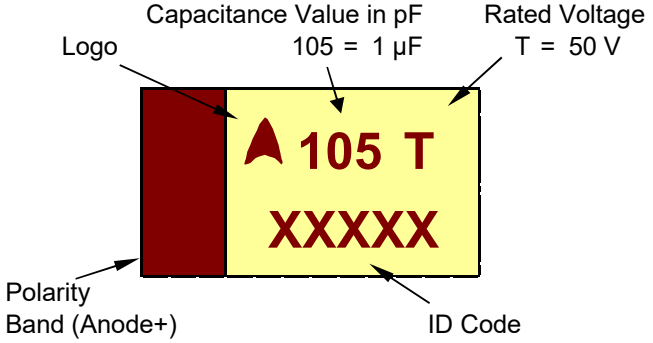
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
For AEC-Q200 availability, please contact KYOCERA AVX
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. 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.

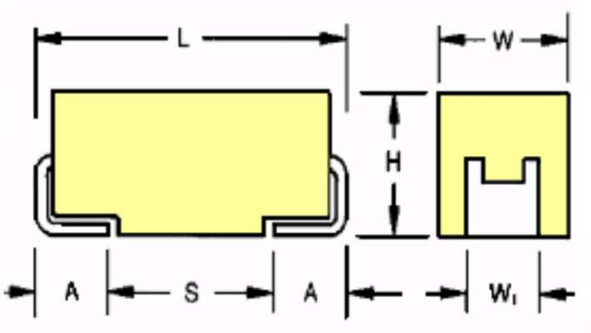
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	125˚C	25˚C	85˚C	125˚C
107	96	43	704	633	281

HOW TO ORDER:

TAJ	A	105	*	050	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	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
3216-18	A	3.2	1.6	1.6	0.8	1.1	1.2

PACKAGING INFORMATION:

Reel Size (#)	R = 7” Reel Pure Tin Termination	S = 13” Reel Pure Tin Termination	A = 7” Reel Gold Plated Termination	B = 13” Reel Gold Plated Termination
Quantity	2000	8000	2000	8000
Tape Width	8 mm	8 mm	8 mm	8 mm

Issued by: KYOCERA AVX Technical Marketing Team
Tantalum Division
More details at: www.kyocera-avx.com
Version: 10/2021

NORTH AMERICA Tel: +1 864-967-2150
CENTRAL AMERICA Tel: +55 11-46881960
EUROPE Tel: +44 1276-697000
ASIA Tel: +65 6286-7555
JAPAN Tel: +81 740-321250

WWW.KYOCERA-AVX.COM

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