

Tantalum Product - TAJ Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	1.5 μ F
Capacitance Tolerance (*)	K = \pm 10%; M = \pm 20%
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 50 V
Category Voltage DC (V_C)	$\leq 125^\circ\text{C}$ 33 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 65 V
	$\leq 125^\circ\text{C}$ 40 V
Temperature Range	-55 $^\circ\text{C}$ to +125 $^\circ\text{C}$
Direct Leakage Current max. @ V_R	0.8 μ A
Dissipation Factor max. @ 120Hz	8 %
ESR max. @ 100kHz	5.4 Ohm
Typical weight (B case)	68 mg



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 $^\circ\text{C}$, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.

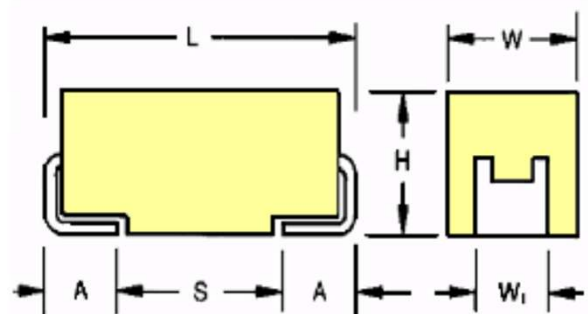
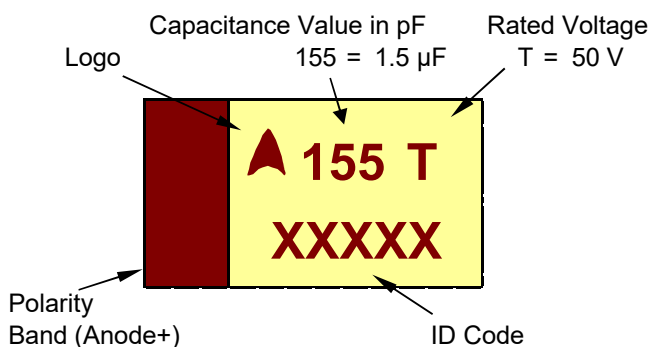
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25 $^\circ\text{C}$	85 $^\circ\text{C}$	125 $^\circ\text{C}$	25 $^\circ\text{C}$	85 $^\circ\text{C}$	125 $^\circ\text{C}$
125	113	50	677	610	271

HOW TO ORDER:

TAJ	B	155	*	050	#	NJ
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

DRAWING AND DIMENSIONS:



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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 (#)	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
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