Tantalum Product - **THJ** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	1 µF	
Capacitance Tolerance (*)	K = ±10%; M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	35 V
Category Voltage DC (V_C)	≤ 175°C	17 V
Surge Voltage (V_S)	≤ 85°C ≤ 175°C	46 V 21 V
Temperature Range	-55°C to +175°C	
Direct Leakage Current max. @ V_R	0.5 µA	
Dissipation Factor max. @ 120Hz	4 %	
ESR max. @ 100kHz	6.5 Ohm	
Typical weight (B case)	68 mg	



LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

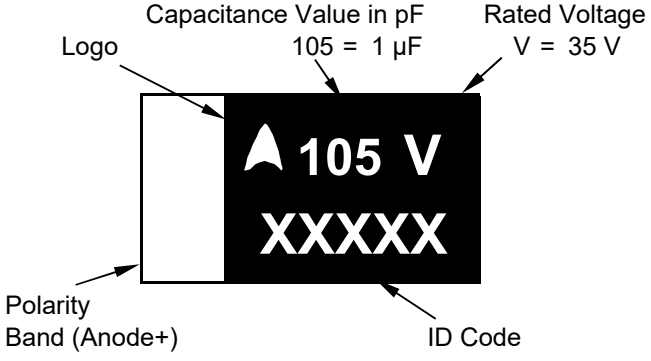
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
Meets requirements of AEC-Q200
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated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

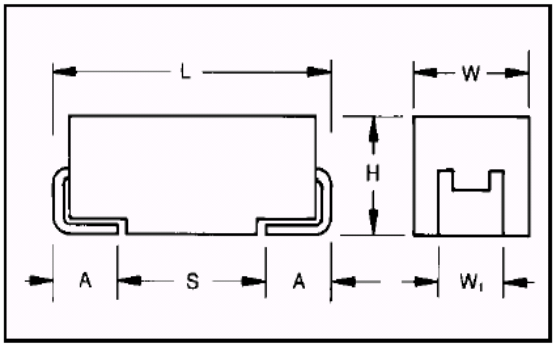
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	175˚C	25˚C	85˚C	175˚C
114	103	23	743	669	149

HOW TO ORDER:

THJ	B	105	*	035	#	JN
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

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