Tantalum Product - **THJ** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 µF	
Capacitance Tolerance (*)	K = ±10%; M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	16 V
Category Voltage DC (V_C)	≤ 175°C	8 V
Surge Voltage (V_S)	≤ 85°C ≤ 175°C	20 V 10 V
Temperature Range	-55°C to +175°C	
Direct Leakage Current max. @ V_R	7.5 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.9 Ohm	
Typical weight (D case)	290 mg	



LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

RoHS COMPLIANT

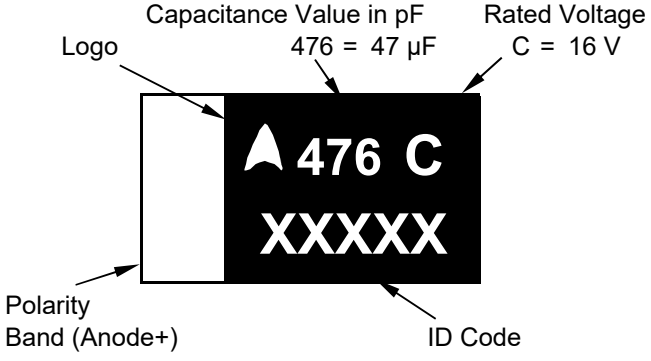
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
Meets requirements of AEC-Q200
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated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

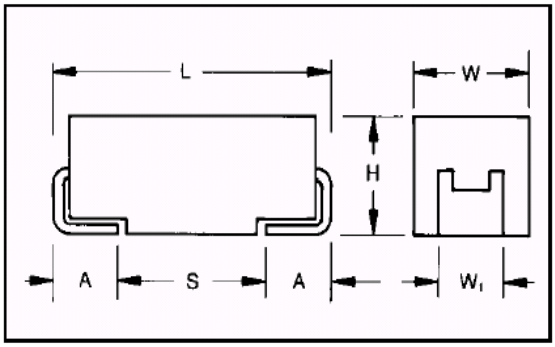
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	175˚C	25˚C	85˚C	175˚C
408	367	82	367	331	73

HOW TO ORDER:

THJ	D	476	*	016	#	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
7343-31	D	7.3	4.3	2.9	1.3	4.4	2.4

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	500	2500	500	2500
Tape Width	12 mm	12 mm	12 mm	12 mm

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