

# Tantalum Product - THJ Series



## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	33 $\mu$ F	
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%	
Rated Voltage DC ( $V_R$ )	$\leq$ 85°C	16 V
Category Voltage DC ( $V_C$ )	$\leq$ 175°C	8 V
Surge Voltage ( $V_S$ )	$\leq$ 85°C	20 V
	$\leq$ 175°C	10 V
Temperature Range	-55°C to +175°C	
Direct Leakage Current max. @ $V_R$	5.3 $\mu$ A	
Disipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	1.5 Ohm	
Typical weight (C case)	166 mg	



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

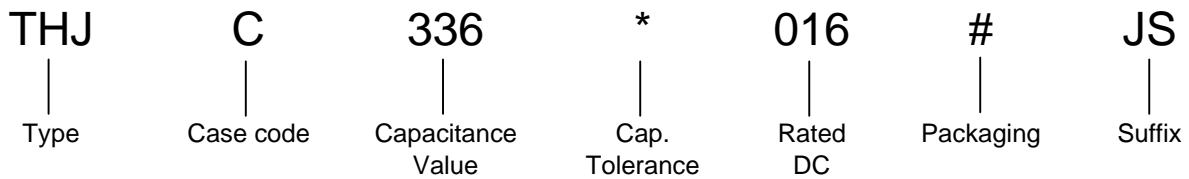
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.

DCL is measured at rated voltage after 5 minutes

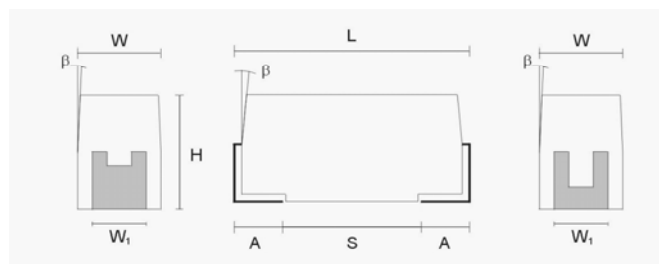
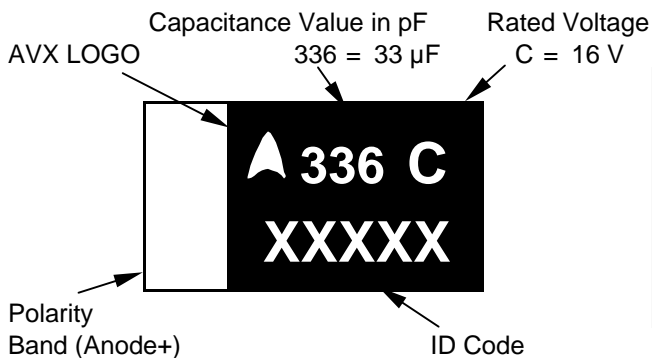
AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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
271	244	54	406	366	81

## HOW TO ORDER:



## DRAWING AND DIMENSIONS:



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## CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 –0.1	H +0.2 –0.1	A +0.3 –0.2	S min.	W1 ±0.2	β
EIA	AVX							
6032-28	C	6.0	3.2	2.6	1.3	2.9	2.2	3.0°

## PACKAGING INFORMATION:

Reel Size (#)	A = 7" Reel Gold Plated Termination	B = 13" Reel Gold Plated Termination
Quantity	500	3000
Tape Width	12 mm	12 mm

### AMERICAS

AVX Greenville, SC  
Tel: 864-967-2150

AVX Northwest,  
W

AVX  
M

AVX  
M

AVX Northeast,  
M

AVX Southwest, CA  
Tel: 949-859-9509

AVX Canada  
Tel: 905-238-3151

AVX South America  
Tel: +55-11-4688-1960

### EUROPE

AVX Limited, England  
Tel: +44-1276-697000

AVX S.A.S., France  
Tel: +33-1-69-18-46-00

AVX GmbH, Germany  
Tel: +49-0811-95949-0

AVX SRL, Italy  
Tel: +39-02-614-571

AVX  
C

AVX/ELCO UK  
Tel: +44-1638-675000

ELCO Europe GmbH  
Tel: +49-2741-299-0

AVX S.A., Spain  
Tel: +34-91-63-97-197

AVX Benelux  
Tel: +31-187-489-337

### ASIA-PACIFIC

AVX/Kyocera (S) Pte Ltd, Singapore  
Tel: +65-6286-7555

AVX/Kyocera, Asia Ltd., Hong Kong  
Tel: +852-2363-3303

AVX/Kyocera  
Y

AVX/Kyocera HK Ltd., Taiwan  
Tel: +886-2-2656-0258

AVX/Kyocera  
(

AVX/Kyocera International Trading  
Co. Ltd., Shanghai  
Tel: +86-21-3255-1933

AVX/Kyocera Asia Ltd.,  
Shen

AVX/Kyocera International Trading Co. Ltd.,  
Beijing  
Tel: +86-10-6588-3528

AVX/Kyocera India Liaison Office  
Tel: +91-80-6450-0715

### ASIA-KED

(KYOCERA Electronic Devices)

KED Hong Kong Ltd.  
Tel: +852-2305-1080/1223

KED Hong Kong Ltd.,  
Shen

KED Company Ltd., Shanghai  
Tel: +86-21-3255-1833

KED Hong Kong Ltd., Beijing  
Tel: +86-10-5869-4655

KED Taiwan Ltd.  
Tel: +886-2-2950-0268

KED Korea  
Y

uhan Hoesa, South Korea  
KED (S) Pte Ltd., Singapore  
Tel: +65-6509-0328

Kyocera Corporation, Japan  
Tel: +81-75-604-3449

Issued by: Technical Marketing Group  
Tantalum Division  
AVX Czech Republic

Technical assistance: [techsales-tantalum@eur.avx.com](mailto:techsales-tantalum@eur.avx.com)  
More details at [www.avx.com](http://www.avx.com)

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