

Tantalum Product - TLN Undertab Series



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 μ F	
Capacitance Tolerance (*)	M = $\pm$ 20%	
Rated Voltage (V _R)	$\leq$ 40°C	10 V
Category Voltage (V _C)	$\leq$ 85°C	5 V
Category Voltage (V _C)	$\leq$ 125°C	2 V
Temperature Range with cat. Voltage	-55°C to +125°C	
Direct Leakage Current max. @ V _R	9.4 μ A	
ESR max. @ 100kHz	6 Ohm	
Maximum Surge Current	0.8 A	
Typical weight (M case)	10 mg	



Moisture sensitivity level: meets MSL 3

Reflow specification: meets J-STD-020 standard

100% surge current tested

All technical data relates to an ambient temperature of +25 °C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.

ESR allowed to move up to 1.25 times catalogue limit post mounting, DCL allowed to move up to 2 times catalogue limit post mounting

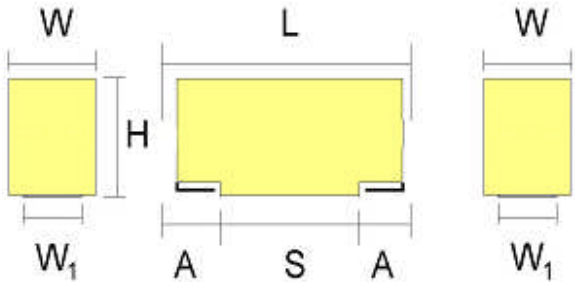
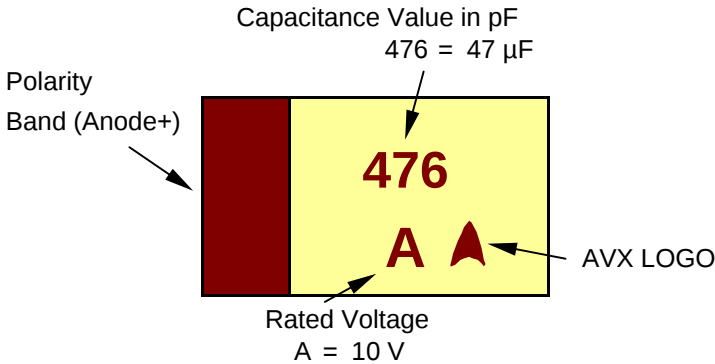
AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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
82	73	33	490	441	196

HOW TO ORDER:

TLN	M	476	M	010	#	6000
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mOhms

DRAWING AND DIMENSIONS:



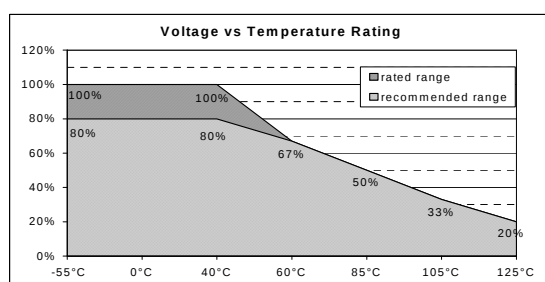
Tantalum Product - TLN Undertab Series

CASE DIMENSIONS: millimetres

Case							
EIA	AVX	L ±0.2	W +0.2 –0.1	H max.	A +0.3 –0.2	S min.	W1 ±0.2
2012-09	M	2.05	1.3	0.9	0.8	0.4	1.0

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	3000	13000	3000	13000
Tape Width	8 mm	8 mm	8 mm	8 mm



AMERICAS

AVX Greenville, SC
Tel: 864-967-2150

AVX Northwest, WA
Tel: 360-699-8746

AVX Midwest, IN
Tel: 317-861-9184

AVX Mid/Pacific, CA
Tel: 408-988-4900

AVX Northeast, MA
Tel: 617-479-0345

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 Czech Republic
Tel: +420-57-57-57-521

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 Yuhan Hoesa, South Korea
Tel: +82-2785-6504

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

AVX/Kyocera (M) Sdn Bhd, Malaysia
Tel: +60-4228-1190

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

AVX/Kyocera Asia Ltd., Shenzhen
Tel: +86-755-3336-0615

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., Shenzhen
Tel: +86-755-3398-9600

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 Yuhan Hoesa, South Korea
Tel: +82-2-783-3604/ 6126

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
More details at www.avx.com

Version: 04/2013

NOTICE: Specifications are subject to change without notice. Contact your nearest AVX Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our product are made without responsibility or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures are indicated or that measures may not be required. Specifications are typical and may not apply to all applications.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AVX:

[TLNM476M010R6000](#)