

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

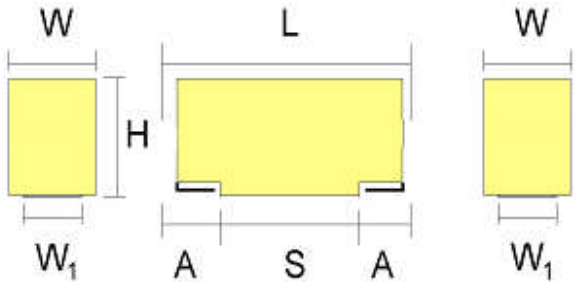
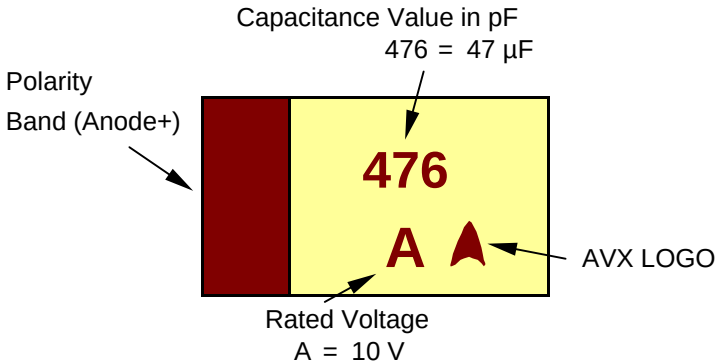
AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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:



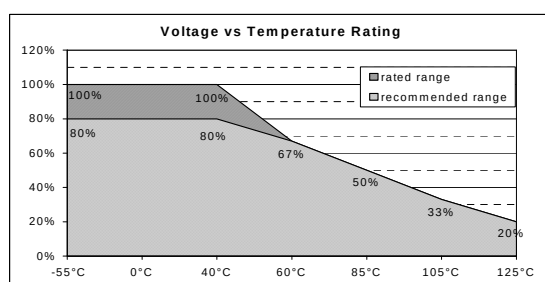
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CASE DIMENSIONS: millimetres

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

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