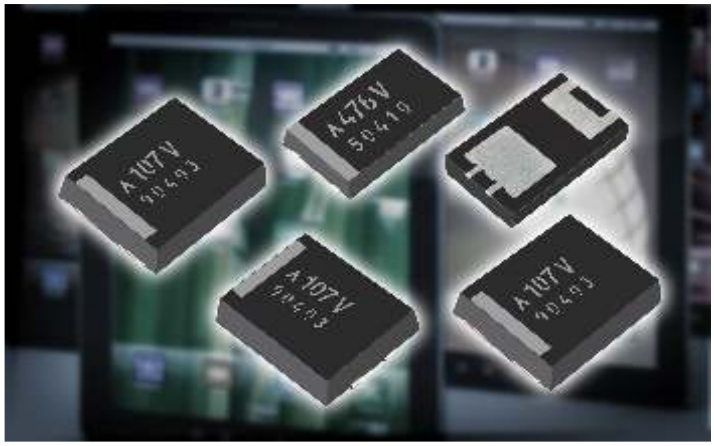
Conductive Polymer Product - **TCN** Undertab Series

PRODUCT SPECIFICATIONS :



Nominal Capacitance @ 120Hz	10 µF	
Capacitance Tolerance	M = ± 20%	
Rated Voltage DC (V_R)	≤ 85°C	35 V
Category Voltage DC (V_C)	≤ 105°C	28 V
Surge Voltage (V_S)	≤ 85°C	46 V
	≤ 105°C	35 V
Temperature Range	-55°C to +105°C	
Direct Leakage Current max. @ V_R	35 µA	
Dissipation Factor max. @ 120Hz	10 %	
ESR max. @ 100kHz	0.2 Ohm	
Typical weight (T case)	43 mg	

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

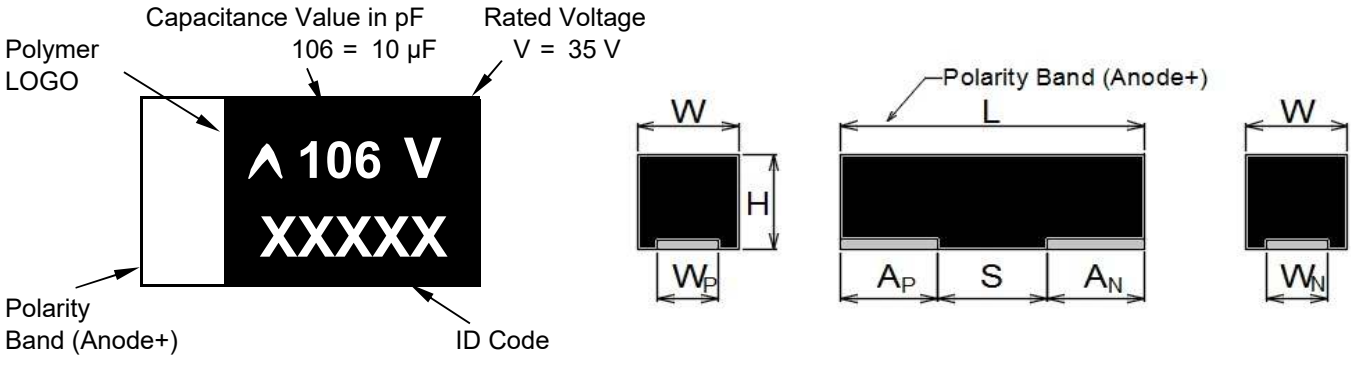
Moisture sensitivity level: meets MSL 4
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes
ESR allowed to move up to 1.25 times catalogue limit post mounting
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		
45˚C	85˚C	105˚C	45˚C	85˚C	105˚C
700	500	300	140	100	60

HOW TO ORDER:

TCN	T	106	M	035	#	0200	E
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mOhms	Black Resin

DRAWING AND DIMENSIONS:



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CASE DIMENSIONS: millimetres

Case									
EIA	Size	L ±0.2	W +0.2 –0.1	H max.	Ap ±0.1	Wp ±0.1	An ±0.1	Wn ±0.1	S (min)
3528-12	T	3.5	2.8	1.2	1.15	2.5	1.35	2.1	1.0

PACKAGING INFORMATION:

Reel Size (#)	R = 7” Reel Lead Free Termination*	S = 13” Reel Lead Free Termination*
Quantity	2500	10000
Tape Width	8 mm	8 mm

* CoO Czech Republic = Pure Tin, CoO Thailand = NiPdAu

Issued by: KYOCERA AVX Technical Marketing Team
Tantalum Division
More details at: www.kyocera-avx.com
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NORTH AMERICA
Tel: +1 864-967-2150

CENTRAL AMERICA
Tel: +55 11-46881960

EUROPE
Tel: +44 1276-697000

ASIA
Tel: +65 6286-7555

JAPAN
Tel: +81 740-321250

WWW.KYOCERA-AVX.COM

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