

Tantalum Product - TPS Low ESR Series



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	220 μ F
Capacitance Tolerance (*)	K = $\pm 10\%$; M = $\pm 20\%$
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 16 V
Category Voltage DC (V_C)	$\leq 125^\circ\text{C}$ 10 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 20 V $\leq 125^\circ\text{C}$ 13 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ V_R	35.2 μ A
Dissipation Factor max. @ 120Hz	8 %
ESR max. @ 100kHz	0.05 Ohm
Typical weight (V case)	641 mg



Moisture sensitivity level: meets MSL 1

Reflow specification: meets J-STD-020 standard

For AEC-Q200 availability, please contact KYOCERA AVX

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

The EIA and CECC standards for low ESR solid Tantalum capacitors allow an ESR movement 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

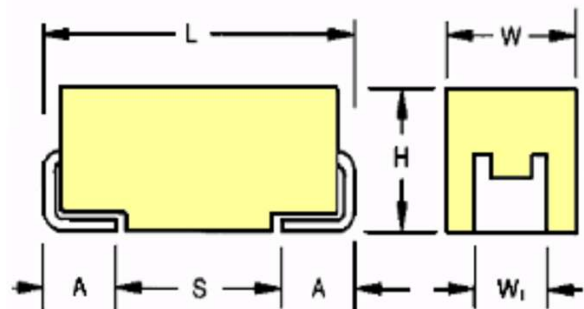
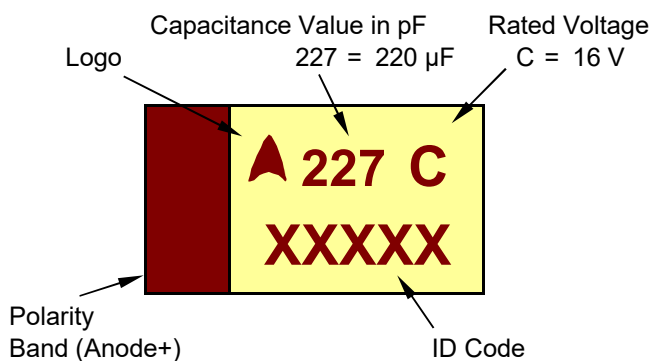


RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25°C	85°C	125°C	25°C	85°C	125°C
2236	2012	894	112	101	45

HOW TO ORDER:

TPS	V	227	*	016	#	0050
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	Size	L ± 0.2	W $+0.2 -0.1$	H $+0.2 -0.1$	A $+0.3 -0.2$	S min.	W1 ± 0.2
7361-38	V	7.3	6.1	3.55	1.3	4.4	3.1

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination
Quantity	400	1500
Tape Width	12 mm	12 mm

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