Tantalum Product - TPS Low ESR Series



PRODUCT SPECIFICATIONS:

Nominal Capacitance @ 120Hz 470 µF

Capacitance Tolerance (*) $K = \pm 10\%$; $M = \pm 20\%$

Rated Voltage DC (V_R) $\leq 85^{\circ}$ C 10 V

Category Voltage DC (V_C) $\leq 125^{\circ}C$ 7 V

Surge Voltage (V_S) $\leq 85^{\circ}C$ 13 V

≤ 125°C 8 V

Temperature Range -55°C to +125°C

Direct Leakage Current max. @ V_R 47 µA

Dissipation Factor max. @ 120Hz 10 %

ESR max. @ 100kHz 0.05 Ohm

Typical weight (E case) 512 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

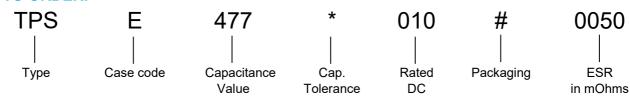




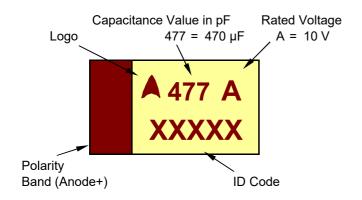


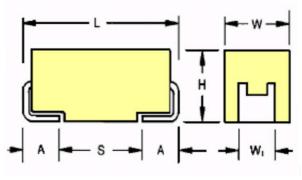
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz			
25°C	85°C	125°C	25°C	85°C	125°C	
1817	1635	727	91	82	36	

HOW TO ORDER:



DRAWING AND DIMENSIONS:





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CASE DIMENSIONS: millimetres

Cas	se						
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
7343-43	Е	7.3	4.3	4.1	1.3	4.4	2.4

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	400	1500	400	1500
Tape Width	12 mm	12 mm	12 mm	12 mm

Issued by: KYOCERA AVX Technical Marketing Team Tantalum Division

More details at: www.kyocera-avx.com

Version: 10/2021

NORTH AMERICA Tel: +1 864-967-2150

CENTRAL AMERICA

EUROPE

ASIA

JAPAN

Tel: +55 11-46881960

Tel: +44 1276-697000

Tel: +65 6286-7555

Tel: +81 740-321250

WWW.KYOCERA-AVX.COM









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