

Tantalum Product - TPS Low ESR Series



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	100 μ F
Capacitance Tolerance (*)	K = $\pm$ 10%; M = $\pm$ 20%
Rated Voltage DC (V _R)	$\leq$ 85°C 16 V
Category Voltage DC (V _C)	$\leq$ 125°C 10 V
Surge Voltage (V _S)	$\leq$ 85°C 20 V $\leq$ 125°C 13 V
Temperature Range	-55°C to +125°C
Direct Leakage Current max. @ V _R	16 μ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	0.1 Ohm
Typical weight (D case)	290 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

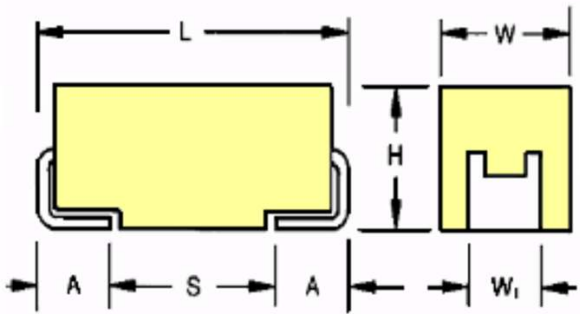
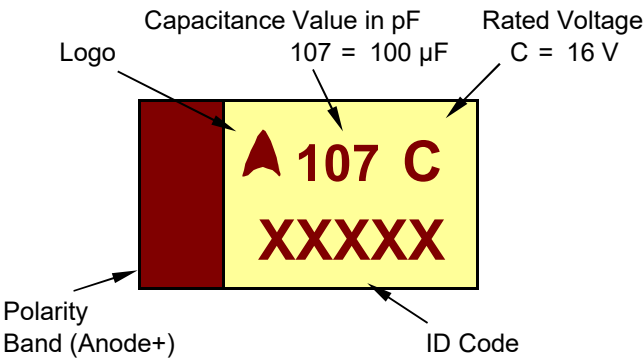


RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25°C	85°C	125°C	25°C	85°C	125°C
1225	1102	490	122	110	49

HOW TO ORDER:

TPS	D	107	*	016	#	0100
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
7343-31	D	7.3	4.3	2.9	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	500	2500	500	2500
Tape Width	12 mm	12 mm	12 mm	12 mm

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