Tantalum Product - TPS Automotive Low ESR



PRODUCT SPECIFICATIONS:

Nominal Capacitance @ 120Hz 22 µF

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

Rated Voltage DC (V_R) $\leq 85^{\circ}$ C 20 V

Category Voltage DC (V_C) ≤ 125°C 13 V

Surge Voltage (V_S) $\leq 85^{\circ}C$ 26 V

≤ 125°C 16 V

Temperature Range -55°C to +125°C

Direct Leakage Current max. @ V_R 4.4 µA

Dissipation Factor max. @ 120Hz 6 %

ESR max. @ 100kHz 0.4 Ohm

Typical weight (B case) 68 mg

Moisture sensitivity level: meets MSL 1

Reflow specification: meets J-STD-020 standard

Meets requirements of AEC-Q200

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

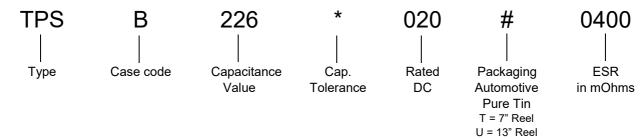




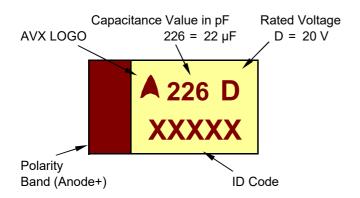


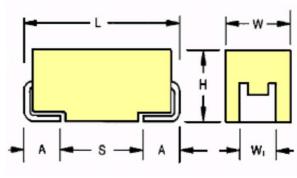
RMS value	of Ripple Cu	urrent (mA)	RMS value of Ripple Voltage (mV)			
@100kHz			@100kHz			
25°C	85°C	125°C	25°C	85°C	125°C	
461	415	184	184	166	74	

HOW TO ORDER:



DRAWING AND DIMENSIONS:





Tantalum Product - TPS Low ESR Series



CASE DIMENSIONS: millimetres

Cas	e						
EIA	AVX	L ±0.2	W +0.2 -0.1	H +0.2 –0.1	A +0.3 –0.2	S min.	W1 ±0.2
3528-21	В	3.5	2.8	1.9	0.8	1.4	2.2

PACKAGING INFORMATION:

Reel Size (#)	T = 7" Reel Automotive Pure Tin	U = 13" Reel Automotive Pure Tin	
Quantity	2000	8000	
Tape Width	8 mm	8 mm	

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