Tantalum Product - **TAC** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	6.8 µF	
Capacitance Tolerance (*)	K = ±10%; M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	6.3 V
Category Voltage DC (V_C)	≤ 125°C	4 V
Surge Voltage (V_S)	≤ 85°C	8 V
	≤ 125°C	5 V
Temperature Range	-55°C to +125°C	
Direct Leakage Current max. @ V_R	0.5 µA	
Dissipation Factor max. @ 120Hz	8 %	
ESR max. @ 100kHz	5 Ohm	
Typical weight (R case)	23.4 mg	



RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

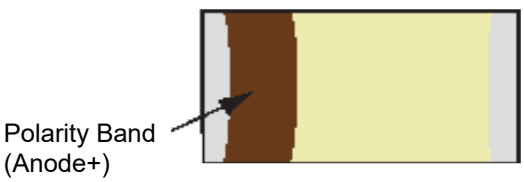
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.
DCL is measured at rated voltage after 5 minutes.
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

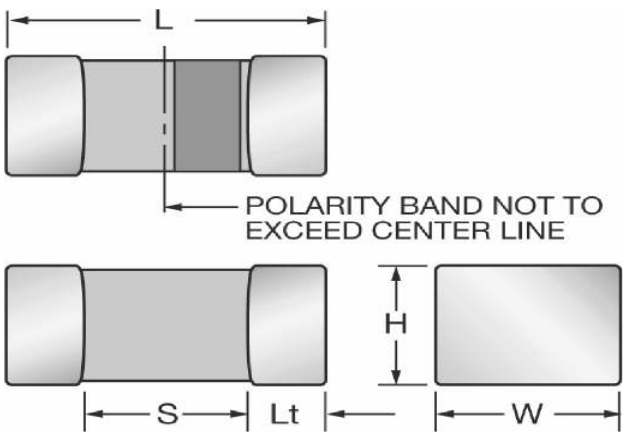
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	125˚C	25˚C	85˚C	125˚C
95	85	38	474	427	190

HOW TO ORDER:

TAC	R	685	*	006	#	TA
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	Suffix

DRAWING AND DIMENSIONS:





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CASE DIMENSIONS: millimetres

Case						
EIA	Size	L +0.20 -0.00	W +0.15 -0.00	H +0.15 -0.00	Lt min.	S min.
0805 (2012M)	R	2.0	1.35	1.35	0.15	0.7

PACKAGING INFORMATION:

Reel Size (#)	X = 4" Reel	R = 7" Reel	F = 4" Reel Gold Termination	A = 7" Reel Gold Termination
Quantity	500	2500	500	2500
Tape Width	8 mm	8 mm	8 mm	8 mm
Component pitch	4 mm	4 mm	4 mm	4 mm
Tape Type	Plastic embossed	Plastic embossed	Plastic embossed	Plastic embossed

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Version: 10/2021

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