Tantalum Product - **TAC** Series

PRODUCT SPECIFICATIONS :



Nominal Capacitance @ 120Hz	0.1 µF	
Capacitance Tolerance (*)	K = ±10%; M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	16 V
Category Voltage DC (V_C)	≤ 125°C	10 V
Surge Voltage (V_S)	≤ 85°C	20 V
	≤ 125°C	12 V
Temperature Range	-55°C to +125°C	
Direct Leakage Current max. @ V_R	0.5 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	40 Ohm	
Typical weight (K case)	2.8 mg	

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

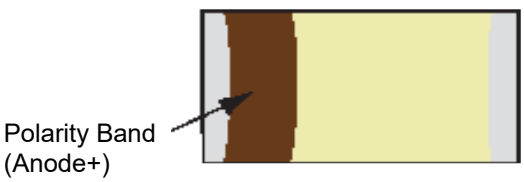
Moisture sensitivity level: meets MSL 1
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.
DCL is measured at rated voltage after 5 minutes.
KYOCERA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

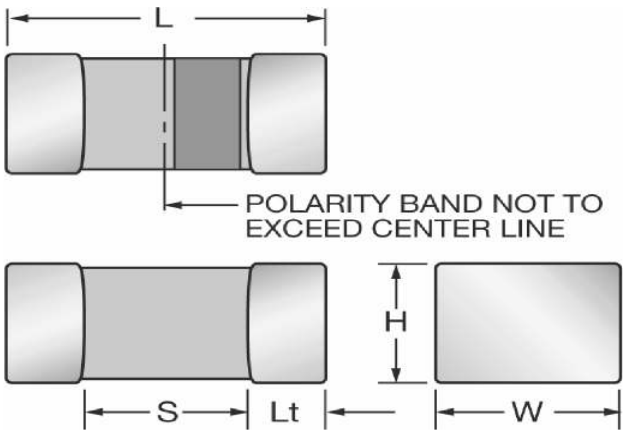
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	125˚C	25˚C	85˚C	125˚C
19	17	8	775	697	310

HOW TO ORDER:

TAC	K	104	*	016	#	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 +0.20 -0.00	H +0.20 -0.00	Lt min.	S min.
0402 (1005M)	K	1.0	0.5	0.5	0.1	0.4

PACKAGING INFORMATION:

Reel Size (#)	Q = 4" Reel	P = 7" Reel	N = 4" Reel Gold Termination	M = 7" Reel Gold Termination
Quantity	1000	10000	1000	10000
Tape Width	8 mm	8 mm	8 mm	8 mm
Component pitch	2 mm	2 mm	2 mm	2 mm
Tape Type	Plastic embossed	Plastic embossed	Plastic embossed	Plastic embossed

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Version: 10/2021

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