Conductive Polymer Product - **TCJ** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	100 µF	
Capacitance Tolerance	M = ±20%	
Rated Voltage DC (V_R)	≤ 105°C	25 V
Category Voltage DC (V_C)	< 125°C	17 V
Surge Voltage (V_S)	≤ 105°C	32 V
	< 125°C	20 V
Temperature Range	-55°C to +125°C	
Direct Leakage Current max. @ V_R	250 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.055 Ohm	
Typical weight (D case)	278 mg	





Elektra Award 2010

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

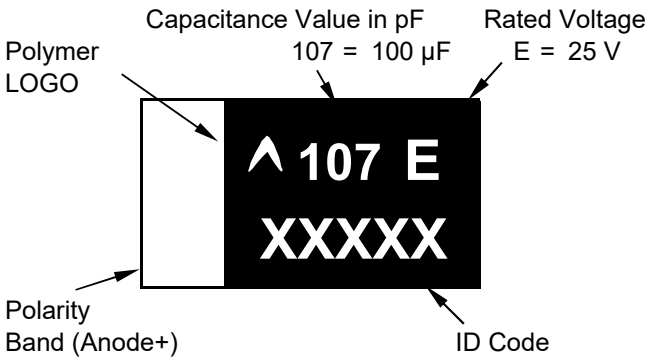
Moisture sensitivity level: meets MSL 3
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.
DCL is measured at rated voltage after 5 minutes
ESR allowed to move up 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

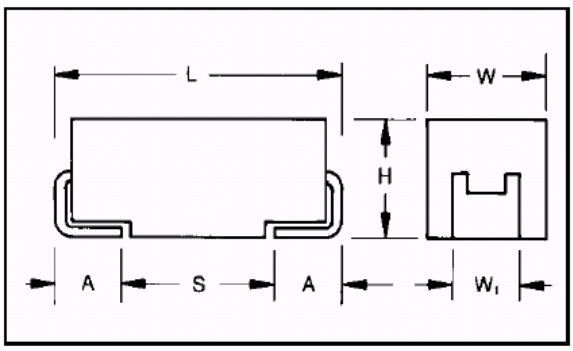
RMS value of Ripple Current (mA) @100kHz				RMS value of Ripple Voltage (mV) @100kHz			
45˚C	85˚C	105°C	125˚C	45˚C	85˚C	105˚C	125˚C
2000	1400	900	500	110	77	50	28

HOW TO ORDER:

TCJ	D	107	M	025	#	0055	E
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mΩ	Black Resin

DRAWING AND DIMENSIONS:





Conductive Polymer Product - **TCJ** Series

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 Lead Free Termination*	S = 13” Reel Lead Free Termination*
Quantity	500	2500
Tape Width	12 mm	12 mm

* CoO Czech Republic = Pure Tin, CoO Thailand = NiPdAu

Issued by: KYOCERA AVX Technical Marketing Team
Tantalum Division
More details at: www.kyocera-avx.com
Version: 04/2025

NORTH AMERICA
Tel: +1 864-967-2150

CENTRAL AMERICA
Tel: +55 11-46881960

EUROPE
Tel: +44 1276-697000

ASIA
Tel: +65 6286-7555

JAPAN
Tel: +81 740-321250

WWW.KYOCERA-AVX.COM

NOTICE: Specifications are subject to change without notice. Contact your nearest KYOCERA AVX Sales Office for the latest specifications. Specifications are typical and may not apply to all applications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our product are made without responsibility or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures are indicated or that measures may not be required. All samples are provided for testing purposes only. Provision of samples shall not constitute any offer of sale nor shall it constitute any commitment of any kind. Samples may not be incorporated in any product offered for commercial sale. Recipient assumes all risks and liability resulting from such testing. Samples are for the exclusive use of the direct recipient and shall not be sold, lent, given, or otherwise transferred to any other party. All unused samples shall be destroyed or returned to KYOCERA AVX.