Conductive Polymer Product - **TCJ** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	100 µF	
Capacitance Tolerance	M = ±20%	
Rated Voltage DC (V_R)	≤ 85°C	10 V
Category Voltage DC (V_C)	≤ 105°C	8 V
Surge Voltage (V_S)	≤ 85°C	13 V
	≤ 105°C	10 V
Temperature Range	-55°C to +105°C	
Direct Leakage Current max. @ V_R	100 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.045 Ohm	
Typical weight (D case)	278 mg	





Elektra Award 2010

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

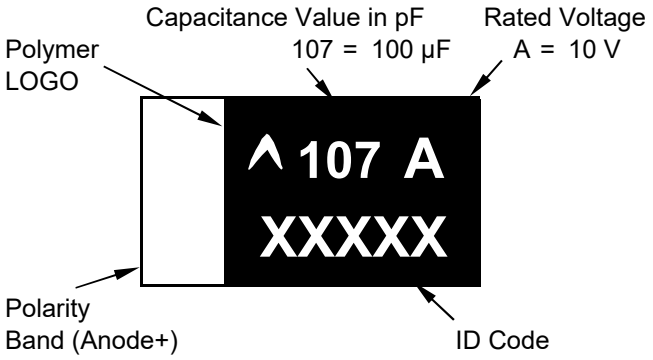
Moisture sensitivity level: meets MSL 3
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes
ESR allowed to 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	45˚C	85˚C	105˚C
2200	1500	1000	99	68	45

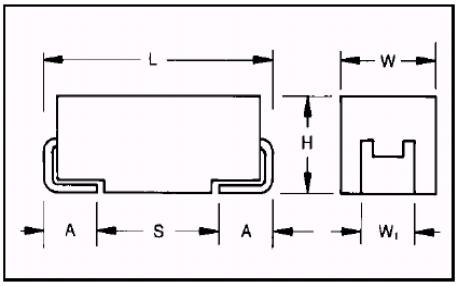
HOW TO ORDER:

TCJ	D	107	M	010	#	0045	E
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mOhms	Black Resin

DRAWING AND DIMENSIONS:



Energy (mJ)	Energy /volume (mJ/cm3)	Energy /area (mJ/cm2)
3.6	40	11.5



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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 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

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