Conductive Polymer Product - **TCJ** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	1 µF	
Capacitance Tolerance	M = ±20%	
Rated Voltage DC (V_R)	≤ 105°C	25 V
Surge Voltage (V_S)	≤ 105°C	33 V
Temperature Range	-55°C to +105°C	
Direct Leakage Current max. @ V_R	2.5 µA	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.5 Ohm	
Typical weight (P case)	15 mg	





Elektra Award 2010

RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

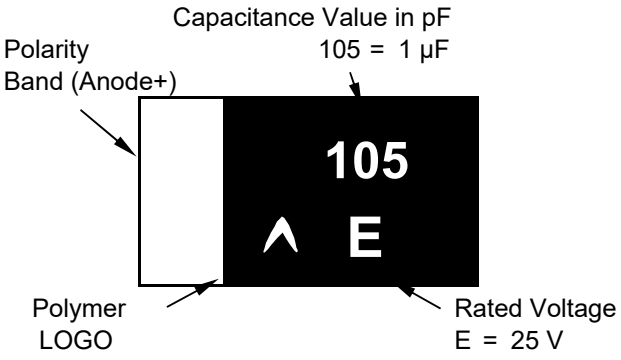
Moisture sensitivity level: meets MSL 3
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V.
DCL is measured at rated voltage after 5 minutes
ESR allowed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

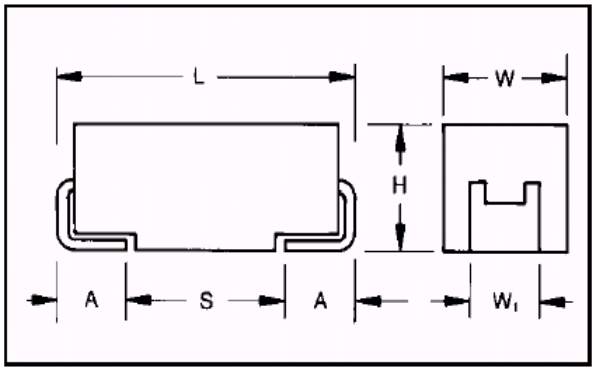
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
45˚C	85˚C	105˚C	45˚C	85˚C	105˚C
400	300	200	200	150	100

HOW TO ORDER:

TCJ	P	105	M	025	#	0500	E
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mΩ	Black Resin

DRAWING AND DIMENSIONS:





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CASE DIMENSIONS: millimetres

Case							
EIA	Size	L ±0.2	W +0.2 –0.1	H max.	A +0.3 –0.2	S min.	W1 ±0.1
2012-15	P	2.05	1.35	1.5	0.5	0.85	1.0

PACKAGING INFORMATION:

Reel Size (#)	R = 7” Reel Lead Free Termination*	S = 13” Reel Lead Free Termination*
Quantity	2500	10000
Tape Width	8 mm	8 mm

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

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Version: 11/2024

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