

Conductive Polymer Product - TCJ Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 μ F
Capacitance Tolerance	M = $\pm$ 20%
Rated Voltage DC (V_R)	$\leq 85^\circ\text{C}$ 20 V
Category Voltage DC (V_C)	$\leq 105^\circ\text{C}$ 16 V
Surge Voltage (V_S)	$\leq 85^\circ\text{C}$ 26 V $\leq 105^\circ\text{C}$ 20 V
Temperature Range	-55°C to +105°C
Direct Leakage Current max. @ V_R	94 μ A
Dissipation Factor max. @ 120Hz	6 %
ESR max. @ 100kHz	0.055 Ohm
Typical weight (X case)	151 mg

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



Elektra
Award
2010

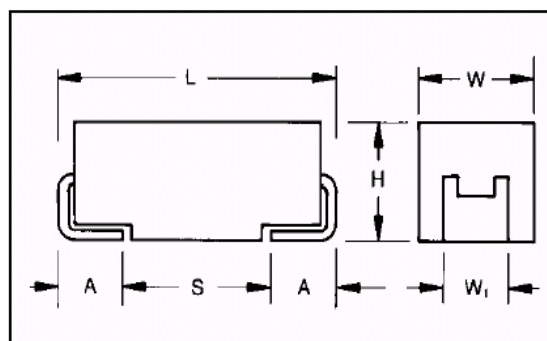
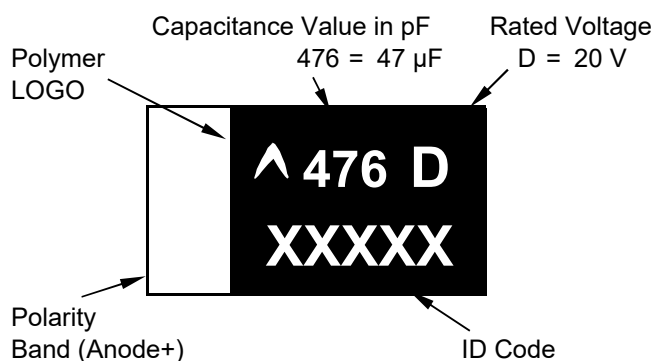


RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
45°C	85°C	105°C	45°C	85°C	105°C
1800	1300	800	99	72	44

HOW TO ORDER:

TCJ	X	476	M	020	#	0055	E
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mOhms	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 ± 0.2
7343-15	X	7.3	4.3	1.5	1.3	4.4	2.4

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Lead Free Termination*	S = 13" Reel Lead Free Termination*
Quantity	1000	5000
Tape Width	12 mm	12 mm

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

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