Conductive Polymer Product - **J-CAP™** Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 µF	
Capacitance Tolerance	M = ± 20%	
Rated Voltage DC (V_R)	≤ 85°C	35 V
Category Voltage DC (V_C)	≤ 105°C	28 V
Surge Voltage (V_S)	≤ 85°C	46 V
	≤ 105°C	35 V
Temperature Range	-55°C to +105°C	
Direct Leakage Current max. @ V_R	165 µA	
Dissipation Factor max. @ 120Hz	10 %	
ESR max. @ 100kHz	0.15 Ohm	
Typical weight (X case)	190 mg	



RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

Moisture sensitivity level: meets MSL 4
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
AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

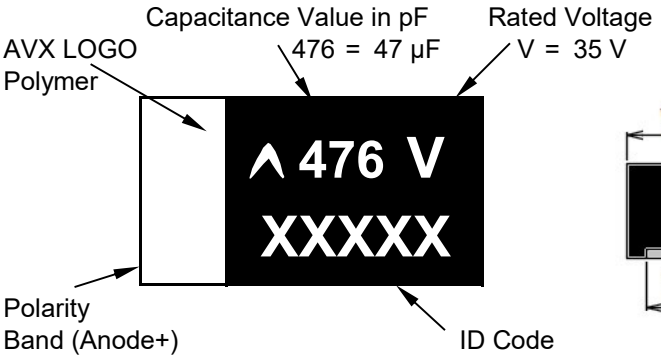
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
45˚C	85˚C	105˚C	45˚C	85˚C	105˚C
1100	800	500	165	120	75

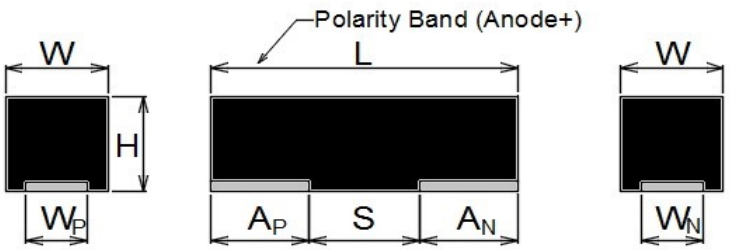
HOW TO ORDER:

TCN	X	476	M	035	#	0150	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)
18.21	387	58





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CASE DIMENSIONS: millimetres

Case									
EIA	AVX	L ±0.2	W +0.2 –0.1	H max.	Ap ±0.1	Wp ±0.1	An ±0.1	Wn ±0.1	S (min)
7343-15	X	7.3	4.3	1.5	2.0	3.25	3.2	3.25	2.1

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination
Quantity	1000	5000
Tape Width	12 mm	12 mm

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