

Conductive Polymer Product - J-CAP™ Series



PRODUCT SPECIFICATIONS :

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



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

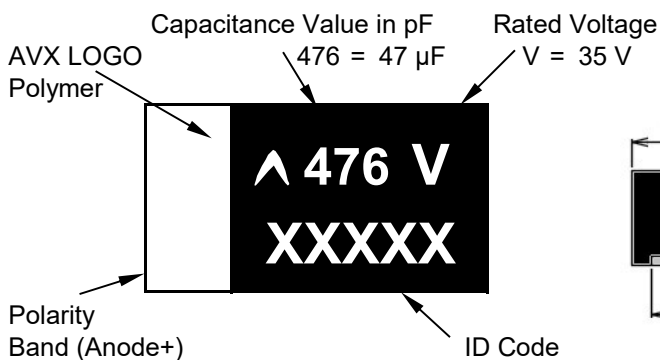
AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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

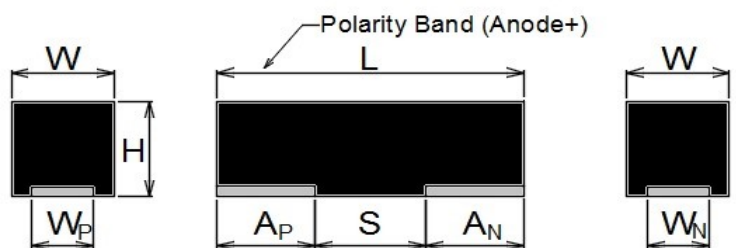
HOW TO ORDER:



DRAWING AND DIMENSIONS:



Energy (mJ)	Energy /volume (mJ/cm ³)	Energy /area (mJ/cm ²)
18.21	387	58



CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 –0.1	H max.	Ap ±0.1	Wp ±0.1	An ±0.1	Wn ±0.1	S (min)
EIA	AVX								
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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