

F38 Series ----- F381E475MSA

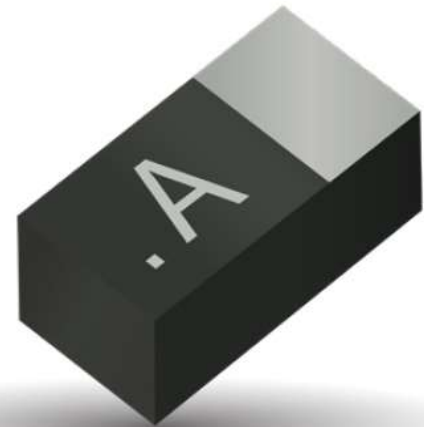
Conductive Polymer, Miniature, Undertab Solid Electrolytic Chip Capacitors



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	4.7 μ F	
Capacitance Tolerance	M = \pm 20%	
Rated Voltage DC (V_R)	< 85°C	25 V
Category Voltage DC (V_C)	< 105°C	20 V
Surge Voltage (V_S)	< 85°C	32 V
Temperature Range	-55°C to +105°C	
DC Leakage Current max. @ V_R	11.8 μ A	
Dissipation Factor max. @ 120Hz	10 %	
ESR max. @ 100kHz	500 m Ω	
Typical weight (S case)	12.4 mg	
Moisture sensitivity level:	MSL 3	

All technical data relates to an ambient temperature of +20°C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 1.5V, DC Leakage Current is measured at rated voltage after 5 minutes

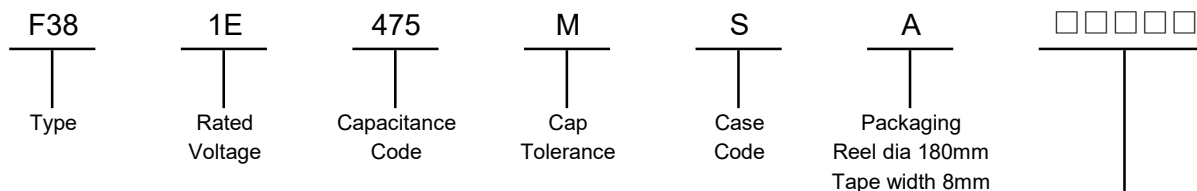


LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT



RMS value of Ripple Current (mA) @100kHz			
45°C	60°C	85°C	105°C
300	—	210	150

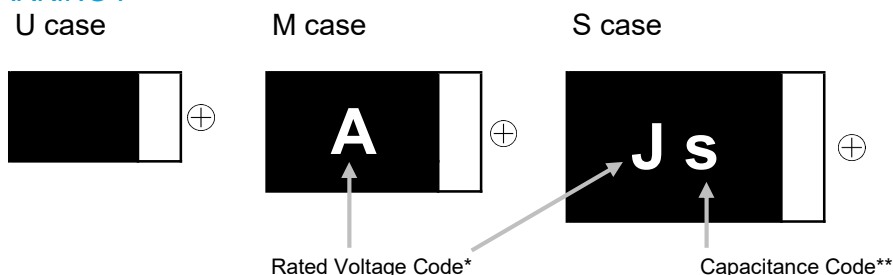
HOW TO ORDER :



Special Code

AXE	Rated temp. 60°C, H dimension 1.0mm Max
AXEH3	Rated temp. 60°C, H dimension 1.0mm Max, Low ESR
LZT	Rated temp. 60°C
LZTH1	Rated temp. 60°C, Low ESR
AH1, AH2, AH3	Low ESR
H8Z	H dimension 0.8mm Max

MARKING :



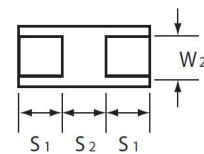
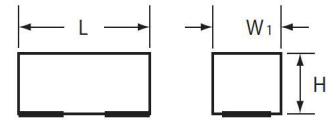
RV	*	Cap	**
4	G	1	A
6.3	J	2.2	J
8	K	4.7	S
10	A	10	a
25	E	22	J
30	S	33	n
		47	s
		68	w
		100	A

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CASE DIMENSIONS: millimetres

Case Code	EIA Code	EIA Metric	L	W ₁	W ₂	H	S ₁	S ₂
S	0805	2012-09	2.0 +0.2/-0.1	1.25 +0.2/-0.1	0.9±0.1	0.8±0.1	0.5±0.1	1.0±0.1



PACKAGING INFORMATION :

Packaging Code	Reel Size	Tape Width	Quantity (pcs)
A	180 mm	8 mm	4,000

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