

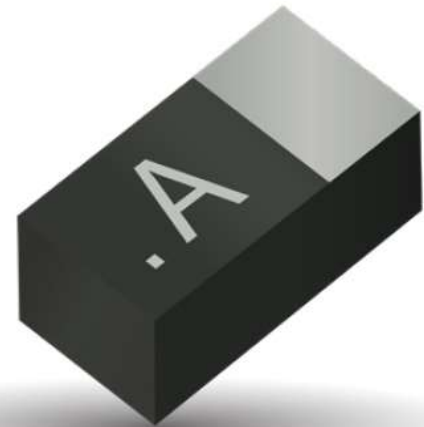
# F38 Series ----- F380J476MMAAXE

## Conductive Polymer, Miniature, Undertab Solid Electrolytic Chip Capacitors



### PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 $\mu$ F	
Capacitance Tolerance	M = $\pm$ 20%	
Rated Voltage DC ( $V_R$ )	< 60°C	6.3 V
Category Voltage DC ( $V_C$ )	< 105°C	3.3 V
Surge Voltage ( $V_S$ )	< 60°C	8 V
Temperature Range	-55°C to +105°C	
DC Leakage Current max. @ $V_R$	59.2 $\mu$ A	
Dissipation Factor max. @ 120Hz	10 %	
ESR max. @ 100kHz	500 m $\Omega$	
Typical weight (M case)	5.7 mg	
Moisture sensitivity level:	MSL 3	
Reflow specification: meets J-STD-020 standard		
100% surge current tested		
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		

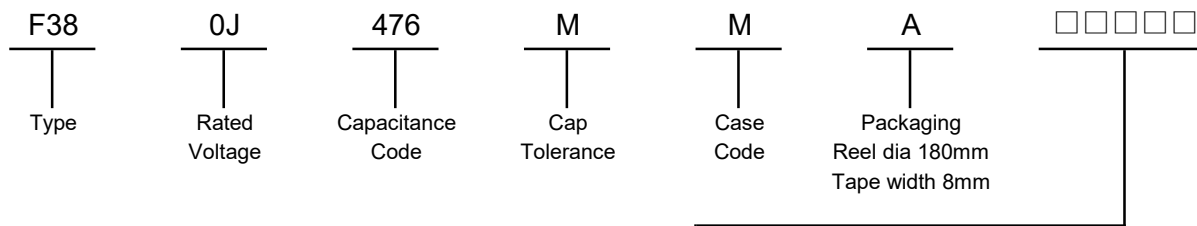


LEAD-FREE  
LEAD-FREE COMPATIBLE  
COMPONENT



RMS value of Ripple Current (mA) @100kHz			
45°C	60°C	85°C	105°C
224	157	—	112

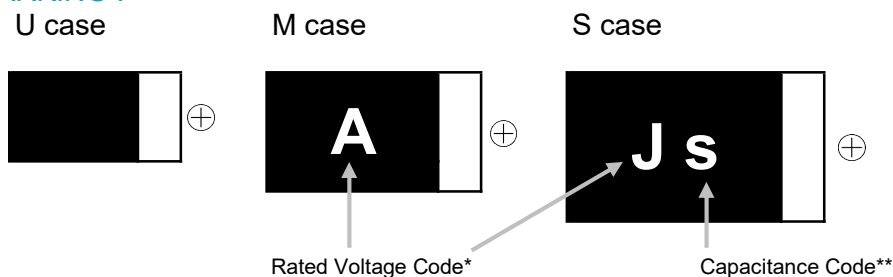
### HOW TO ORDER :



#### 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 :



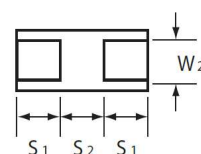
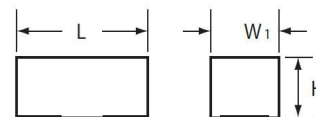
RV	*	Cap	**
4	G	1	A
6.3	J	2.2	J
8	K	4.7	S
10	A	10	a
25	E	22	J
30	S	33	n
		47	s
		68	w
		100	A

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CASE DIMENSIONS: millimetres

Case Code	EIA Code	EIA Metric	L	W <sub>1</sub>	W <sub>2</sub>	H	S <sub>1</sub>	S <sub>2</sub>
M	0603	1608-10	1.6 +0.2/-0.1	0.85 +0.2/-0.1	0.65±0.1	1.0 Max	0.5±0.1	0.6±0.1



PACKAGING INFORMATION :

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

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