

F98-AJ6 Series --- F981C475MMAAJ6

Resin-Molded Chip, High CV Facedown – Automotive Range



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	4.7 μ F	
Capacitance Tolerance	M = \pm 20%	
Rated Voltage DC (V_R)	< 85°C	16 V
Category Voltage DC (V_C)	< 125°C	10 V
Surge Voltage (V_S)	< 85°C	20 V
Temperature Range	-55°C to +125°C	
DC Leakage Current max. @ V_R	0.8 μ A	
Dissipation Factor max. @ 120Hz	12 %	
ESR max. @ 100kHz	12 Ω	
Typical weight (M case)	6 mg	

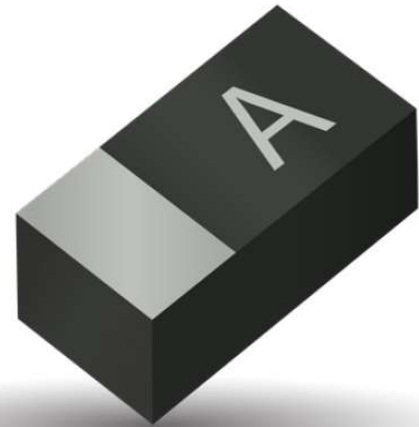
Moisture sensitivity level: MSL 3

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



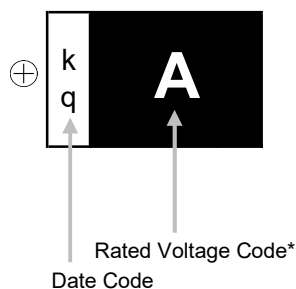
RMS value of Ripple Current (mA) @100kHz		
25°C	85°C	125°C
46	41	18

HOW TO ORDER :

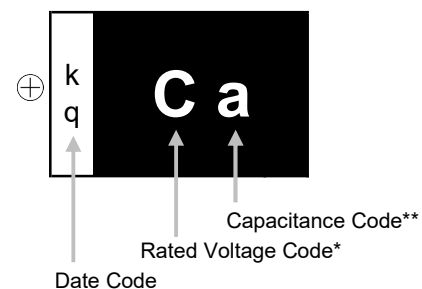
F98	1C	475	M	M	A	AJ6
Type	Rated Voltage	Capacitance Code	Cap Tolerance	Case Code	Packaging Reel dia 180mm Tape width 8mm	AEC-Q200 Compliant

MARKING :

M case



S case



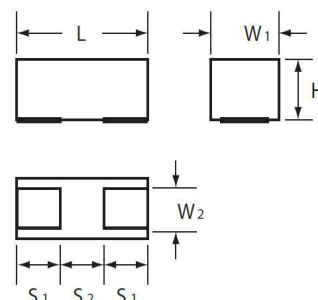
RV	*	Cap	**
10	A	10	a
16	C		

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CASE DIMENSIONS: millimetres

Case Code	EIA Code	EIA Metric	L	W_1	W_2	H	S_1	S_2
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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