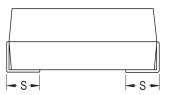
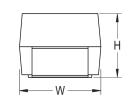


A700V106M12RATE040

A700, Polymer Aluminum, 10 uF, 20%, 12.5 VDC, -55/+125°C, Height Max = 2mm

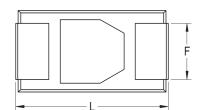
SIDE VIEW





END VIEW

BOTTOM VIEW



Click here for the 3D model.

Dimensions	
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
н	2mm MAX
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm

Packaging Specifications

Packaging	T&R, 180mm
Packaging Quantity	1000

General Information				
General mornation				
Series	A700			
Dielectric	Polymer Aluminum			
Style	SMD Chip			
Description	Surface Mount, Polymer Aluminum			
RoHS	Yes			
Termination	Tin			
Qualifications	UL94V-0			
AEC-Q200	No			
Halogen Free	Yes			
Component Weight	132.72 mg			
Footprint	7343			
Shelf Life	104 Weeks			
MSL	3			

Specifications			
Capacitance	10 uF		
Capacitance Tolerance	20%		
Voltage DC	12.5 VDC		
Temperature Range	-55/+125°C		
Rated Temperature	125°C		
Dissipation Factor	6% 120Hz 25C		
Resistance	40 mOhms (100kHz 25C)		
Ripple Current	2600 mA (rms 100kHz)		
Leakage Current	5 uA (5min 25°C)		

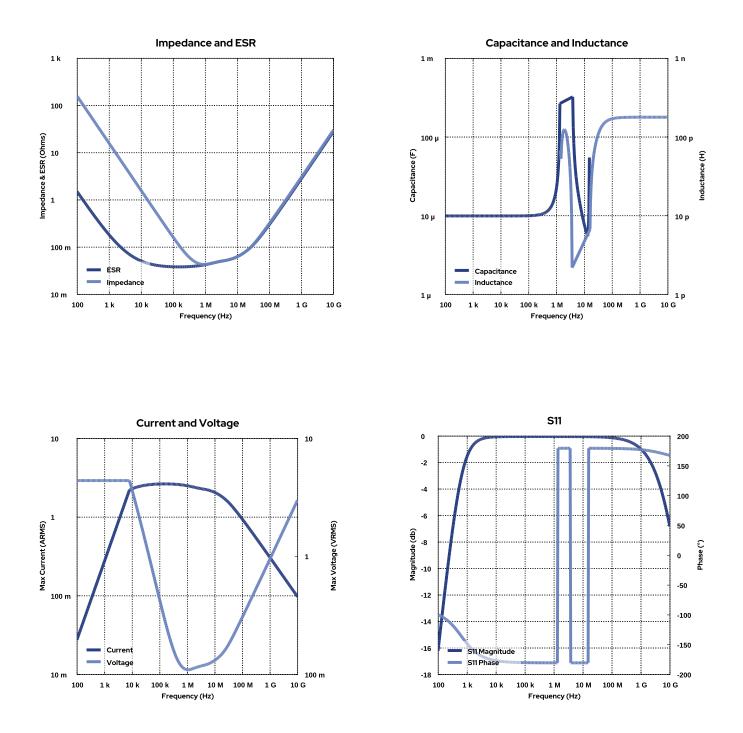
Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



A700V106M12RATE040 A700, Polymer Aluminum, 10 uF, 20%, 12.5 VDC, -55/+125°C, Height Max = 2mm

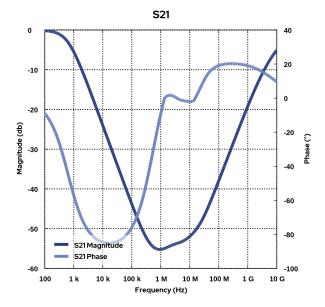
Simulations

For the complete simulation environment please visit K-SIM.





A700V106M12RATE040 A700, Polymer Aluminum, 10 uF, 20%, 12.5 VDC, -55/+125°C, Height Max = 2mm





A700, Polymer Aluminum, 10 uF, 20%, 12.5 VDC, -55/+125°C, Height Max = 2mm

These are simulations.

This is not a specification!

The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

The responses shown do not represent a specified or implied maximum capability of the device for all applications.

- The ESR used for ripple "Ripple Current/Voltage vs. Frequency" plots is the ESR at ambient temperature.
- The ESR in the "Temperature Rise vs. Ripple Current" plots is adjusted to each incremental temperature rise before the power and ripple current is calculated.
- The effects shown herein are based on measured data from a multiple part sample of the parts in question.
- Ripple capability of this device will be factored by thermal resistance (Rth) created by circuit traces (addi affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance. The peak voltages generated in the "Temperature Rise vs. Combined Ripple Currents" plot are calculated for each frequency and are not combined with voltages generated at any other
- harmonics.
- Please consult with the catalog or field applications engineer for maximum capability of the device in specific applications.

All product information and data (collectively, the "Information") are subject to change without notice.

KEMET K-SIM is designed to simulate behavior of components with respect to frequency, ambient temperature, and DC bias levels. The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation effects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

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If you have any questions please contact K-SIM.