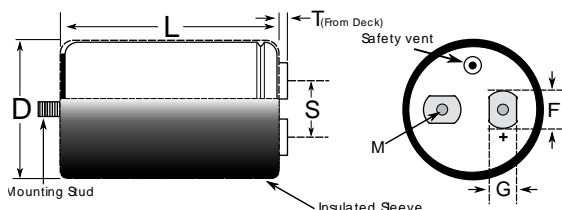


**KEMET Part Number: ALS31A472NP450**  
(A431TS472M450A)

Capacitor, aluminum, 4700 uF, +/-20% Tol, -40/+85C, 450V@85C



Dimensions (mm)		
Symbol	Dimension	Tolerance
D	77	+/-1
L	146	+/-2
S	31.8	+/-0.5
T	5.5	+/-0.5
F	13	+/-0.5
G	10	nom
M	5	

Notes:  
-Dimensions D and L include sleeving

General Information	
<b>Manufacturer:</b>	KEMET
<b>Part Type Description:</b>	Computer Grade Aluminum Electrolytic
<b>Style:</b>	Computer Grade
<b>Lead Type:</b>	Oval Threaded Inserts- M5
<b>Mounting Type:</b>	Stud- M12x16

Specifications	
<b>Capacitance:</b>	4700 uF
<b>Tolerance:</b>	+/-20%
<b>Rated Temperature:</b>	85C
<b>Voltage @ rated temp:</b>	450V
<b>VDC Surge:</b>	495WVDC
<b>Transient Voltage:</b>	550V
<b>Life @ rated temp:</b>	20000 h
<b>RoHS:</b>	Yes
<b>Low Z/ESR:</b>	Yes
<b>Temperature Range:</b>	-40/+85C
<b>ESR at 100Hz @ room temp:</b>	36 mOhm
<b>ESR at 120Hz @ room temp:</b>	34 mOhm
<b>ESR at 100kHz @ room temp:</b>	24 mOhm
<b>Leakage Current:</b>	6 mA
<b>Leakage Condition:</b>	5min/20c
<b>Impedance @ 10kHz:</b>	26 mOhm
<b>Impedance @ 100kHz:</b>	28 mOhm
<b>Ripple 100Hz @ rated temp:</b>	17.1 A
<b>Ripple 10kHz @ rated temp:</b>	25.2 A

Packaging Specifications	
<b>Package Kind:</b>	Bulk