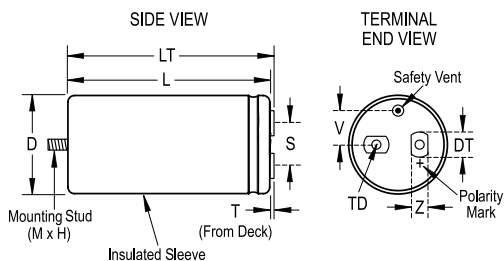


**KEMET Part Number: ALS31A102KE400**  
(A431LH102M400A)

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ALS31, Aluminum Electrolytic, 1,000 uF, 20%, 400 VDC, -40/+85°C



General Information	
<b>Series:</b>	ALS31
<b>Dielectric:</b>	Aluminum Electrolytic
<b>Description:</b>	Screw Terminal, Aluminum Electrolytic
<b>RoHS:</b>	Yes
<b>AEC-Q200:</b>	No
<b>Component Weight:</b>	220 g
<b>Notes:</b>	Dimensions D And L Include Sleevling. MS (MxH) = M12x16.
<b>Shelf Life:</b>	156 Weeks

Dimensions	
<b>D</b>	51mm +/-1mm
<b>L</b>	82mm +/-2mm
<b>T</b>	5.5mm +/-0.5mm
<b>S</b>	22.2mm +/-0.5mm
<b>DT</b>	13mm +/-0.5mm
<b>LT</b>	86.5mm +/-1mm
<b>TD</b>	10mm MIN
<b>V</b>	13.7mm NOM
<b>Z</b>	10mm NOM

Specifications	
<b>Capacitance:</b>	1,000 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	400 VDC, 440 VDC (Surge)
<b>Temperature Range:</b>	-40/+85°C
<b>Rated Temperature:</b>	85°C
<b>Life:</b>	18000 Hrs (Rated Voltage And Ripple Current At 85C), 36000 Hrs (Rated Voltage At 85C)
<b>Resistance:</b>	139 mOhms (100Hz 20C), 98 mOhms (10kHz 20C)
<b>Ripple Current:</b>	5.8 Amps (100Hz 85C), 10.3 Amps (10kHz 85C)
<b>Leakage Current:</b>	2400 uA (5min 20°C)

Packaging Specifications	
<b>Sleevling:</b>	Yes
<b>Packaging:</b>	Bulk, Box

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.

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