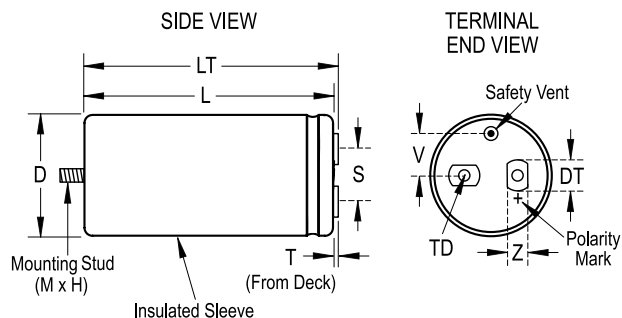


## ALS31A681KF500

ALS31, Aluminum, Aluminum Electrolytic, 680 uF, 20%, 500 VDC, -40/+85°C, 22.2 mm



Click [here](#) for the 3D model.

### General Information

Series	ALS31
Dielectric	Aluminum Electrolytic
Description	Screw Terminal, Aluminum Electrolytic
RoHS	Yes
Lead	Oval Threaded Inserts M5
Mounting	Through-Hole
AEC-Q200	No
Typical Component Weight	300 g
Notes	Dimensions D And L Include Slewing. MS (MxH) = M12x16.
Shelf Life	156 Weeks

### Specifications

Capacitance	680 uF
Tolerance	20%
Voltage DC	500 VDC, 550 VDC (Surge)
Temperature Range	-40/+85°C
Rated Temperature	85°C
Life	18000 Hrs (Rated Voltage And Ripple Current At 85C), 36000 Hrs (Rated Voltage at 85C)
ESR	255 mOhms (100Hz 20C), 133 mOhms (10kHz 20C)
Ripple Current	5.7 Amps (100Hz 85C), 9.6 Amps (10kHz 85C)
Leakage Current	2040 uA (5min 20°C)

### Dimensions

D	51mm +/-1mm
L	105mm +/-2mm
T	5.5mm +/-0.5mm
S	22.2mm +/-0.5mm
DT	13mm +/-0.5mm
LT	110.5mm +/-1mm
TD	10mm MIN
V	13.7mm NOM
Z	10mm NOM

### Packaging Specifications

Slewing	Yes
Packaging	Bulk, Box

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