

ALS31A102MF500

ALS31, Aluminum, Aluminum Electrolytic, 1,000 uF, 20%, 500 VDC, -40/+85°C, 28.5 mm



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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	505 g
Notes	Dimensions D And L Include Sleeving. MS (MxH) = M12x16.
Shelf Life	156 Weeks

Specifications

Capacitance	1,000 uF
Tolerance	20%
Voltage DC	500 VDC, 550 VDC (Surge)
Temperature Range	-40/+85°C
Rated Temperature	85°C
Life	19000 Hrs (Rated Voltage And Ripple Current At 85°C), 38000 Hrs (Rated Voltage At 85°C)
ESR	175 mOhms (100Hz 20C), 96 mOhms (10kHz 20C)
Ripple Current	8.1 Amps (100Hz 85C), 13.8 Amps (10kHz 85C)
Leakage Current	3000 uA (5min 20°C)

Dimensions

D	66mm +/-1mm
L	105mm +/-2mm
T	5.5mm +/-0.5mm
S	28.5mm +/-0.5mm
DT	13mm +/-0.5mm
LT	110.5mm +/-1mm
TD	10mm MIN
V	15.8mm NOM
Z	10mm NOM

Packaging Specifications

Sleeving	Yes
Packaging	Bulk, Box

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