

ALS81A512NJ450

ALS81, Aluminum, Aluminum Electrolytic, 5,100 uF, 20%, 450 VDC, -40/+105°C, 31.8 mm



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General Information

Series	ALS81
Dielectric	Aluminum Electrolytic
Description	Screw Terminal, Aluminum Electrolytic
RoHS	Yes
Lead	Oval Threaded Inserts M5
Mounting	Through-Hole
Optional Mounting	Stud
AEC-Q200	No
Halogen Free	Yes
Typical Component Weight	766 g
Notes	Dimensions D And L Include Slewing. MS (MxH) = M12x16. Mounting Clamp (Sold Separately): V11
Shelf Life	156 Weeks

Specifications

Capacitance	5,100 uF
Tolerance	20%
Voltage DC	450 VDC, 495 VDC (Surge)
Temperature Range	-40/+105°C
Rated Temperature	105°C
Life	9000 Hrs (Rated Voltage And Ripple Current At 105C), 15000 Hrs (Rated Voltage At 105C)
ESR	37 mOhms (100Hz 20C), 25 mOhms (10kHz 20C)
Ripple Current	13.5 Amps (100Hz 105C), 20.2 Amps (10 kHz 105C)
Leakage Current	6000 uA

Dimensions

D	77mm +/-1mm
L	115mm +/-2mm
T	5.5mm +/-0.5mm
S	31.8mm +/-0.5mm
DT	13mm +/-0.5mm
LT	119mm +/-1mm
TD	10mm MIN
V	19mm NOM
Z	10mm NOM

Packaging Specifications

Slewing	Yes
Packaging	Tray

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