

## ALS80U512NP500

ALS80, Aluminum, Aluminum Electrolytic, 5,100 uF, 20%, 500 VDC, -40/+105°C, 31.8 mm



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

### General Information

Series	ALS80
Dielectric	Aluminum Electrolytic
Description	Screw Terminal, Aluminum Electrolytic
RoHS	Yes
Lead	Screw Terminals M5
Mounting	Through-Hole
Halogen Free	Yes
Typical Component Weight	960 g
Notes	Dimensions D And L Include Sleeving. MS (MxH) = M12x16. Mounting Clamp (Sold Separately): V11
Shelf Life	156 Weeks

### Dimensions

D	77mm +/-1mm
L	146mm +/-2mm
T	7.1mm +/-0.5mm
S	31.8mm +/-0.5mm
DT	13mm +/-0.5mm
LT	Available On Request
TD	10mm MIN
V	19mm NOM

### Packaging Specifications

Sleeving	Yes
Packaging	Tray

### Specifications

Capacitance	5,100 uF
Tolerance	20%
Voltage DC	500 VDC, 550 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	48 mOhms (100Hz 20C), 36 mOhms (10kHz 20C)
Ripple Current	14.4 Amps (100Hz 105C), 21.5 Amps (10 kHz 105C)
Leakage Current	6000 uA

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.