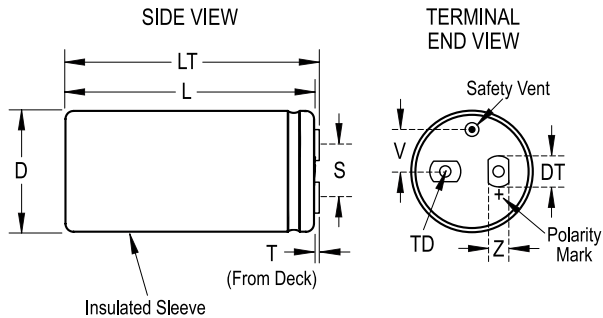


ALS42A123Q8L400

Not for New Design

ALS42, Aluminum, Aluminum Electrolytic, 12,000 uF, 20%, 400 VDC, -40/+105°C, 31.8 mm



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

General Information

Series	ALS42
Dielectric	Aluminum Electrolytic
Description	Screw Terminal, Aluminum Electrolytic
RoHS	Yes
Lead	Oval Threaded Inserts M5
Mounting	Through-Hole
AEC-Q200	No
Typical Component Weight	2,000 g
Notes	Add 0.4mm To D (1.1mm When D = 88.9) And 1.1mm To L For Sleeving. MS (MxH) = M12x16. Mounting Clamp (Sold Separately): V90
Shelf Life	156 Weeks

Specifications

Capacitance	12,000 uF
Tolerance	20%
Voltage DC	400 VDC, 450 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	12 mOhms (120Hz 25C), 9 mOhms (20kHz 25C)
Ripple Current	30.9 Amps (120Hz 105C), 41.2 Amps (20kHz 105C)
Leakage Current	6000 uA (5min 20°C)

Dimensions

D	88.9mm +/-0.8mm
L	219.1mm +/-1.6mm
T	5.5mm +/-0.8mm
S	31.8mm +/-0.5mm
DT	8mm +/-0.5mm
LT	224mm +/-1mm
TD	10mm MIN
V	25mm NOM
Z	10mm NOM

Packaging Specifications

Packaging	Bulk, Box
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