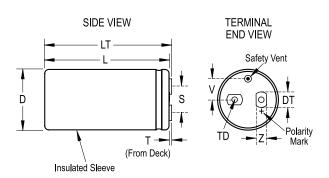




ALS42, Aluminum, Aluminum Electrolytic, 12,000 uF, 20%, 400 VDC, -40/+105°C, 31.8 mm



Click	here	for	the	3D	mode	ı

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

Dimensions	
D	88.9mm +/-0.8mm
L	219.1mm +/-1.6mm
Т	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

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Packaging Specifications		
Packaging	Bulk, Box	

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)

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.

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