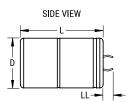
## **KEMET Part Number: ALA8DA301CD450**



## ALA8D, Aluminum Electrolytic, 105C, 300 uF, 20%, 450 VDC, -40/+105C





PCB LAYOUT

Dimensions		
D	30mm +1mm	
L	40mm +/-2mm	
S	10mm +/-0.1mm	
LL	6.3mm +/-1mm	
F	2mm +/-0.1mm	

Packaging Specifications		
Weight:	50 g	
Packaging:	Bulk, Bag	
Packaging Quantity:	160	

General Information		
Supplier:	KEMET	
Series:	ALA8D	
Dielectric:	Aluminum Electrolytic	
Description:	Snap-In, Aluminum Electrolytic	
RoHS:	Yes	
Lead:	2 Pin	
Qualifications:	AEC-Q200	
AEC-Q200:	Yes	
Miscellaneous:	Vibration: <= 35mm 1.5mm displacement amplitude or 20G maximum acceleration. Vibration applied for three directions of 4- hour sessions at 10 – 2,000 Hz. (Capacitor clamped by body.)	
Shelf Life:	156 Weeks	

Specifications		
Capacitance:	300 uF	
Capacitance Tolerance:	20%	
Voltage DC:	450 VDC, 495 VDC (Surge)	
Temperature Range:	-40/+105C	
Rated Temperature:	105C	
Life:	7000 Hrs (Rated Voltage And Ripple Current At 105C), 11000 Hrs (Rated Voltgae At 105C)	
Resistance:	454 mOhms (100Hz 20C), 265.4 mOhms (10kHz 20C)	
Ripple Current:	1.91 Amps (100Hz 105C), 5.29 Amps (10kHz 105C)	
Leakage Current:	810 uA (5min 20C)	

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.

