

ALA8DC241DC500

ALA8D, Aluminum, Aluminum Electrolytic, 240 uF, 20%, 500 VDC, -40/+105°C, 22.5 mm



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General Information

Series	ALA8D
Dielectric	Aluminum Electrolytic
Description	Snap-In, Aluminum Electrolytic
RoHS	Yes
Lead	4 Pin
Qualifications	AEC-Q200
Halogen Free	Yes
Typical Component Weight	60 g
Miscellaneous	Vibration: $\leq 35\text{mm } 1.5\text{mm}$ 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	240 uF
Tolerance	20%
Voltage DC	500 VDC, 550 VDC (Surge)
Temperature Range	-40/+105°C
Rated Temperature	105°C
Life	8000 Hrs (Rated Voltage And Ripple Current At 105C), 13000 Hrs (Rated Voltage at 105C)
ESR	863.2 mOhms (100Hz 20C), 637 mOhms (10kHz 20C)
Ripple Current	1.83 Amps (100Hz 105C), 4.25 Amps (10kHz 105C)
Leakage Current	360 uA (5min 20°C)

Dimensions

D	35mm +1mm
L	35mm +/-2mm
S	22.5mm +/-0.1mm
LL	6.3mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	100

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