

ALA7DF511CE400

ALA7D, Aluminum, Aluminum Electrolytic, 510 uF, 20%, 400 VDC, -40/+85°C, 10 mm



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General Information

Series	ALA7D
Dielectric	Aluminum Electrolytic
Description	Snap-In, Aluminum Electrolytic
RoHS	Yes
Lead	3 Pin
Qualifications	AEC-Q200
Halogen Free	Yes
Typical Component Weight	55 g
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

Dimensions

D	30mm +1mm
L	45mm +/-2mm
S	10mm +/-0.1mm
LL	4mm +/-1mm
F	2mm +/-0.1mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	160

Specifications

Capacitance	510 uF
Tolerance	20%
Voltage DC	400 VDC, 440 VDC (Surge)
Temperature Range	-40/+85°C
Rated Temperature	85°C
Life	13000 Hrs (Rated Voltage And Ripple Current At 85C), 21000 Hrs (Rated Voltage At 85C)
ESR	345.2 mOhms (100Hz 20C), 211.6 mOhms (10kHz 20C)
Ripple Current	2.19 Amps (100Hz 85C), 4.76 Amps (10kHz 85C)
Leakage Current	1224 uA (5min 20°C)

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