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# RPE681M6R3V1012B

Aluminum Electrolytic Capacitors

Miniature Type  
RPE Series

Richey P/N: RPE681M6R3V1012B



## Specifications:

Dimensions:

Case Size D x L (mm): 10 x 12.5

Operating Temperature Range: -55-105 °C

Rated Voltage: 6.3 VDC

Surge Voltage: 7.2 VDC

Capacitance ( $\mu\text{F}$ ): 680

Leakage Current: 85.68

Rated Ripple Current: 613 mA rms @ +105°C, 100kHz

Maximum Impedence: 0.12 @ +20°C, 100kHz

Max ESR (m $\Omega$ ): 0.429 @ +20°C, 120Hz

Load Life:

Case Size 5    6.3 ~ 8 10    12.5  $\geq$ 16

Load Life 2000 3000    5000 7000 8000

Capacitance Change: Within +/- 20% of the initial measured value.

Dissipation Factor ( $\tan\delta$ ): Not more than 200% of the initial specified value

Leakage Current: Not more than initial specified value

\*ROHS Compliant