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# RPG682M010V1825B

Aluminum Electrolytic Capacitors

Miniature Type  
RPG Series

Richey P/N: RPG682M010V1825B

## Specifications:

Dimensions:

Case Size D x L (mm): 18 x 25

Operating Temperature Range: -55-105 °C

Rated Voltage: 10 VDC

Surge Voltage: 13 VDC

Capacitance (μF): 6800

Leakage Current: 680

Rated Ripple Current: 2740 mA rms @ +105°C, 100kHz

Maximum Impedence: 0.02 @ +20°C, 100kHz

Max ESR (mΩ): 0.057 @ +20°C, 120Hz

Load Life:

Case Size  $d \leq 6.3$   $d - 8$   $d - 10$   $d - 12.5$   $d \geq 16$

Hours 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