



1219 4th Avenue South  
Nashville, TN 37210

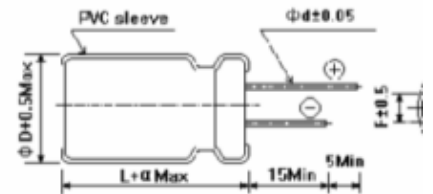
**Phone:** (615) 254-3561  
**Fax:** (615) 255-7673  
**Email:** sales@richeycap.com  
**Web:** richeycap.com

# RPE682M6R3V1631B

Aluminum Electrolytic Capacitors

Miniature Type  
RPE Series

Richey P/N: RPE682M6R3V1631B



## Specifications:

Dimensions:

Case Size D x L (mm): 16 x 31.5

Operating Temperature Range: -55-105 °C

Rated Voltage: 6.3 VDC

Surge Voltage: 7.2 VDC

Capacitance ( $\mu\text{F}$ ): 6800

Leakage Current: 856.8

Rated Ripple Current: 2350 mA rms @ +105°C, 100kHz

Maximum Impedence: 0.025 @ +20°C, 100kHz

Max ESR (m $\Omega$ ): 0.062 @ +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