## KEMET Part Number: PEH506RBF3680M2S



## PEH506, Aluminum Electrolytic, 680 uF, 20%, 200 VDC, -40/+85°C



| General Information |                                              |
|---------------------|----------------------------------------------|
| Series:             | PEH506                                       |
| Dielectric:         | Aluminum Electrolytic                        |
| Description:        | Snap-In, Aluminum Electrolytic               |
| RoHS:               | Yes                                          |
| Lead:               | 2 Pin Short                                  |
| AEC-Q200:           | No                                           |
| Component Weight:   | 30 g                                         |
| Notes:              | Add 0.5mm To D And 1mm To L<br>For Sleeving. |
| Shelf Life:         | 208 Weeks                                    |

| Dimensions |               |
|------------|---------------|
| D          | 25mm +/-0.5mm |
| L          | 45mm +/-1mm   |
| S          | 10mm +/-0.1mm |
| LL         | 4mm +/-1mm    |
| F          | 2mm +/-0.1mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Bag |

| Specifications         |                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------|
| Capacitance:           | 680 uF                                                                                    |
| Capacitance Tolerance: | 20%                                                                                       |
| Voltage DC:            | 200 VDC                                                                                   |
| Temperature Range:     | -40/+85°C                                                                                 |
| Rated Temperature:     | 85°C                                                                                      |
| Life:                  | 3000 Hrs (Rated Voltage And<br>Ripple Current At 85C), 6000 Hrs<br>(Rated Voltage At 85C) |
| Resistance:            | 210 mOhms (100Hz 20C), 110<br>mOhms (100kHz 20C)                                          |
| Ripple Current:        | 2.2 Amps (100Hz 85C), 8.9<br>Amps (20kHz 40C)                                             |
| Leakage Current:       | 408 uA (5min 20°C)                                                                        |

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