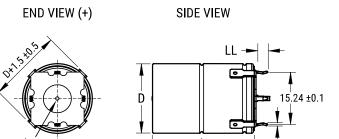


## PEH225ML4180QE1

Not for New Design

PEH225, Aluminum, Aluminum Electrolytic, 1,800 uF, -10/+30%, 63 VDC, -40/+150°C



Note: '()' correspond to the letters used in the product bulletin

Click here for the 3D model.

| Dimensions |                |
|------------|----------------|
| D          | 20mm +/-0.5mm  |
| L          | 43.7mm +/-1mm  |
| LL         | 3.3mm +/-0.5mm |
| F          | 1mm +/-0.03mm  |
|            |                |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging                | Tray |

| General Information      |                                       |
|--------------------------|---------------------------------------|
| Series                   | PEH225                                |
| Dielectric               | Aluminum Electrolytic                 |
| Style                    | Radial Crown                          |
| Description              | Radial Crown Aluminum<br>Electrolytic |
| RoHS                     | Yes                                   |
| Lead                     | Radial Crown                          |
| Qualifications           | AEC-Q200                              |
| AEC-Q200                 | Yes                                   |
| Halogen Free             | Yes                                   |
| Typical Component Weight | 24 g                                  |
| Miscellaneous            | Rated Voltage Measured At 125C.       |
| Shelf Life               | 520 Weeks                             |

| Specifications    |  |
|-------------------|--|
| Capacitance       | 1,800 uF   |
| Tolerance         | -10/+30%   |
| Voltage DC        | 63 VDC (125C), 54 VDC (150C)   |
| Temperature Range | -40/+150°C   |
| Rated Temperature | 125°C  |
| Life              | 8400 Hrs (Rated Voltage At<br>125C), 2000 Hrs (Rated Voltage<br>At 150C)   |
| ESR               | 45 mOhms (100Hz 20C), 18<br>mOhms (100kHz 20C), 10<br>mOhms (5-100kHz 150C)  |
| Ripple Current    | 22.8 Amps (5kHz 125C, With<br>Heat Sink), 14.4 Amps (5kHz<br>140C, With Heat Sink), 6.5 Amps<br>(5kHz 150C, Reduced Voltage<br>And Heat Sink), 8.3 Amps (5kHz<br>125C), 10.5 Amps (>=5kHz 125C<br>Reduced Voltage) |
| Leakage Current   | 340 uA (5min 20°C)   |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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