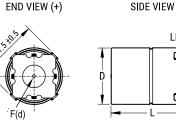
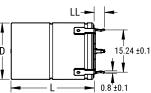
## KEMET Part Number: PEH225KL4390QE1 Not for New Design



## PEH225, Aluminum Electrolytic, 3,900 uF, -10/+30%, 40 VDC, -40/+150°C





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

| Dimensions |                |  |
|------------|----------------|--|
| D          | 20mm +/-0.5mm  |  |
| L          | 43.7mm +/-1mm  |  |
| LL         | 3.3mm +/-0.5mm |  |
| F          | 1mm +/-0.3mm   |  |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Weight:                  | 24 g      |  |
| Packaging:               | Bulk, Bag |  |

| 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   |  |
| Miscellaneous:      | Rated Voltage Measured At 125C  |  |
| Notes:              | Obsolete due to a packaging<br>change. The bulk packaging<br>option is no longer available.<br>See PEH225KL4390QE4 for the<br>same capacitor packaged in a<br>tray. |  |
| Shelf Life:         | 156 Weeks   |  |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 3,900 uF  |
| Capacitance Tolerance: | -10/+30%  |
| Voltage DC:            | 40 VDC (125C)   |
| Temperature Range:     | -40/+150°C  |
| Rated Temperature:     | 150°C   |
| Life:                  | 2000 Hrs  |
| Resistance:            | 28 mOhms (100Hz 20C), 14<br>mOhms (100kHz 20C), 6.8<br>mOhms (5-100kHz 150C)  |
| Ripple Current:        | 27.7 Amps (5kHz 125C, With<br>Heat Sink), 17.5 Amps (5kHz<br>140C, With Heat Sink), 7.8 Amps<br>(5kHz 150C, Reduced Voltage<br>And Heat Sink), 10 Amps (5kHz<br>125C), 12.7 Amps (>=5kHz<br>125C Reduced Voltage) |
| Leakage Current:       | 468 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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