

**KEMET Part Number: R71VN422050H6K**  
(71VN422050H6K)

R71H, Film, Metallized Polypropylene, Automotive Grade, 2.2 uF, 10%, 520 VDC, 85°C, Lead Spacing = 22.5mm



#### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 25mm +2/-1mm       |
| F  | 0.8mm +/-0.05mm    |

#### Packaging Specifications

|                     |           |
|---------------------|-----------|
| Packaging:          | Bulk, Bag |
| Packaging Quantity: | 300       |

#### General Information

|                   |  |
|-------------------|--|
| Series:           | R71H   |
| Dielectric:       | Metallized Polypropylene                       |
| Style:            | Radial   |
| Features:         | PFC and Pulse                                  |
| RoHS:             | Yes  |
| Lead:             | Wire Leads                                     |
| Qualifications:   | AEC-Q200                                       |
| AEC-Q200:         | Yes  |
| Component Weight: | 5.9 g  |
| Miscellaneous:    | Above 105C DC And AC Voltage Derating Is 4%/C. |

#### Specifications

|                        |  |
|------------------------|--|
| Capacitance:           | 2.2 uF                                   |
| Capacitance Tolerance: | 10%                                      |
| Voltage AC:            | 200 VAC                                  |
| Voltage DC:            | 520 VDC                                  |
| Temperature Range:     | -55/+125°C                               |
| Rated Temperature:     | 85°C                                     |
| Dissipation Factor:    | 0.1% 25C                                 |
| Insulation Resistance: | 13.6364 GOhms                            |
| Max dV/dt:             | 85 V/us                                  |
| Resistance:            | 23.15 mOhms (100kHz)                     |
| Ripple Current:        | 4.913 Amps (100kHz 85C), 187 Amps (Peak) |
| Inductance:            | 16 nH                                    |