

**KEMET Part Number: R49AR42205001K**  
(49AR42205001K)

**KEMET**

a YAGEO company

R49 310 VAC, Film, Metallized Polypropylene, Safety, 2.2 uF, 10%, 310 VAC (X1), 800 VDC, 110°C, Lead Spacing = 27.5mm



### General Information

|                         |                          |
|-------------------------|--------------------------|
| <b>Series:</b>          | R49 310 VAC              |
| <b>Dielectric:</b>      | Metallized Polypropylene |
| <b>Style:</b>           | Radial                   |
| <b>Features:</b>        | EMI Safety               |
| <b>RoHS:</b>            | Yes                      |
| <b>Lead:</b>            | Wire Leads               |
| <b>Safety Class:</b>    | X1                       |
| <b>Qualifications:</b>  | ENEC, UL, cUL            |
| <b>AEC-Q200:</b>        | No                       |
| <b>THB Performance:</b> | No                       |

### Dimensions

|           |                  |
|-----------|------------------|
| <b>L</b>  | 32mm +0.3/-0.7mm |
| <b>H</b>  | 37mm +0.1/-0.7mm |
| <b>T</b>  | 22mm +0.2/-0.7mm |
| <b>S</b>  | 27.5mm +/-0.4mm  |
| <b>LL</b> | 25mm +2/-1mm     |
| <b>F</b>  | 0.8mm +/-0.05mm  |

### Specifications

|                               |               |
|-------------------------------|---------------|
| <b>Capacitance:</b>           | 2.2 uF        |
| <b>Capacitance Tolerance:</b> | 10%           |
| <b>Voltage AC:</b>            | 310 VAC (X1)  |
| <b>Voltage DC:</b>            | 800 VDC       |
| <b>Temperature Range:</b>     | -40/+110°C    |
| <b>Rated Temperature:</b>     | 110°C         |
| <b>Dissipation Factor:</b>    | 0.1% 1kHz     |
| <b>Insulation Resistance:</b> | 13.6364 GOhms |
| <b>Max dV/dt:</b>             | 200 V/us      |

### Packaging Specifications

|                            |      |
|----------------------------|------|
| <b>Packaging:</b>          | Tray |
| <b>Packaging Quantity:</b> | 112  |

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