

**Model:** MK232-5 (MK232 Style Resistor with 1.50 Inch Long Leads)

**Resistance Range:** 1.00 Ohm to 5.00 Megohm

**Resistance Tolerance:** ±1% Standard (Tolerance to ±0.1% available for resistance 30 ohms and higher)

**Temperature Coefficient:** Referenced to +25°C, ΔR measured at -15°C and +105°C

| Resistance Range               | Temperature Coefficient |
|--------------------------------|-------------------------|
| Standard: 5.00 Ohm to 5.00 Meg | 50 ppm/°C               |
| Low: 1.00 Ohm to 4.99 Ohm      | 200 ppm/°C              |

**Measurement Note:** Resistance measurements made at a point on the leads 0.20 inch from body.

**Specifications:**

| +85°C Maximum Ratings   | +125°C Maximum Ratings  |
|---|---|
| <b>Power Rating:</b> 0.75 Watt  | <b>Power Rating:</b> 0.30 Watt  |
| <b>Max. Working Voltage:</b> 400V (not to exceed rated power)                                     | <b>Max. Working Voltage:</b> 400V (not to exceed rated power)                                     |
| <b>Load Stability:</b> 1000 hours at 0.75 Watt, not to exceed 400 Volts, ΔR ≤ ±(0.20% + 0.01 ohm) | <b>Load Stability:</b> 1000 hours at 0.30 Watt, not to exceed 400 Volts, ΔR ≤ ±(0.40% + 0.01 ohm) |

**Operating Temperature Range:** -40°C to +150°C, see derating curve

**Overload / Overvoltage:** 5 times rated power for 5 seconds not to exceed 1.5 times maximum working voltage, ΔR ≤ ±(0.15% + 0.01 ohm)

**Thermal Shock:** MIL-STD-202, Method 107, Cond. B, except low temp is -40°C, ΔR ≤ ±(0.20% + 0.01 ohm)

**Moisture Resistance:** MIL-STD-202, Method 106, ΔR ≤ ±(0.50% + 0.01 ohm)

**Insulation Resistance:** 10,000 Megohms, min.

**Encapsulation:** Injection Molding

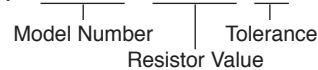
**Solderable Leads:** Matte Tin Plated Copper

**RoHS:** The MK232-5 is Compliant to the EU RoHS Directive 2011/65/EU as of the date of this document. For up-to-date RoHS Compliance information see AEN-0105 at [www.caddock.com](http://www.caddock.com).

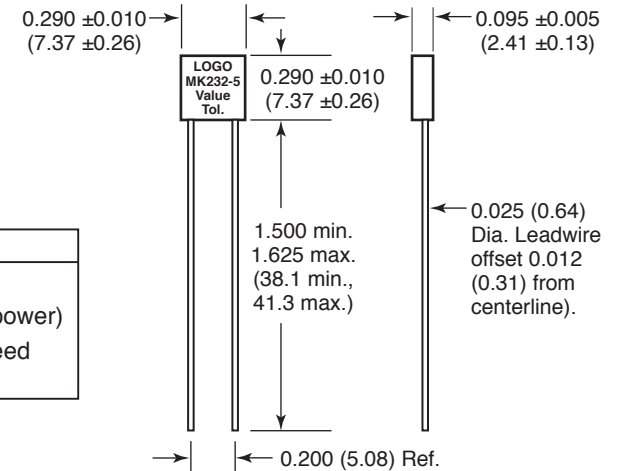
**Ordering Information:**

**Minimum Order Quantity:** 50 pieces

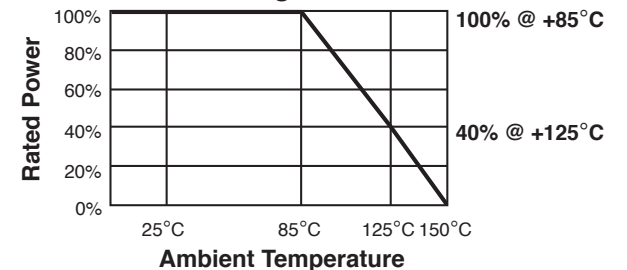
**Part Number (Model-Resistance-Tolerance):** MK232-5 - 1.00MEG - 1%



**Physical Dimensions**



**Derating Curve**



|          |             |          |         |         |         |         |
|----------|-------------|----------|---------|---------|---------|---------|
| A        | New Release | EOT-3964 | RAJ     | 2/22/18 | DLA     | 2/22/18 |
| CH'G LTR | DETAILS     |          | MADE BY | DATE    | CH'D BY | DATE    |

**CADDOCK ELECTRONICS**  
Roseburg, Oregon USA

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UNLESS OTHERWISE SPECIFIED  
Dimensions are in inches and (millimeters)  
Concentricity: 0.005 TIR  
Tolerances:  
Decimals                      Fractions                      Angles  
.xx ±0.01 (.26)                      ±1/64 (0.40)                      ±1°  
.xxx ±0.010 (.26)

**SCALE: None**

|          |      |         |
|----------|------|---------|
| Drawn By | RAJ  | 2/22/18 |
| Checked  | DLA  | 2/22/18 |
| Approved | REC2 | 2/22/18 |

Model MK232-5  
Precision Power Film Resistor  
**RoHS Compliant**