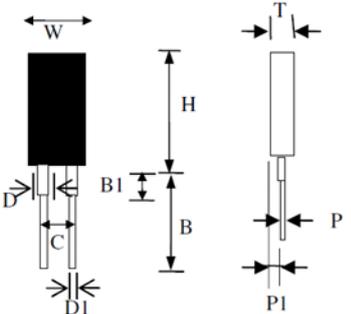
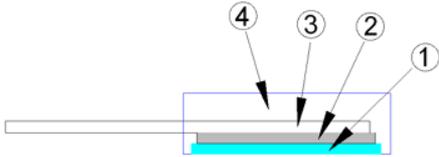
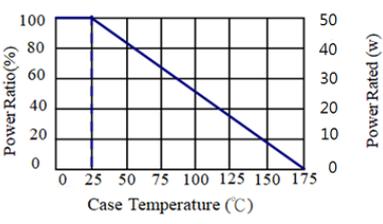
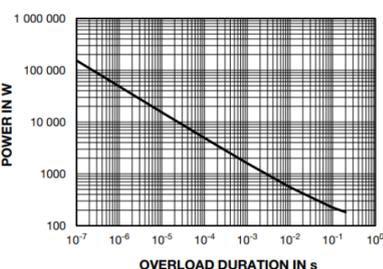


SPECIFICATION FOR APPROVAL

| | | | | | | | |
|---|---|---|------------------|---------------------|--------|------------------|-----------|
| TO-220 Power Resistor – TR50 Series | | Issue No. | | | | | |
| Customer : | | Issue Day. 10/02/2026 | | | | | |
| Part No : TR50JUE0750 | Resistance : 75 Ω | Power Rating : 50 Watts | | | | | |
| Cust. P/N : | Tolerance : ±5 % | Q,ty of Sample : | | | | | |
| Diagram of Dimensions : (Unit: mm) | | Construction | | | | | |
|  <p> W: 10.41±0.26 D: 1.27±0.13 H: 16.26±0.26 D1: 0.8±0.15 B: 12.70±1.27 T: 3.18±0.26 B1: 3.3±0.76 P: 0.50±0.10 C: 5.08±0.26 P1: 1.78±0.26 </p> | |  <table border="1" data-bbox="941 817 1444 884"> <tr> <td>① Alumina Substrate</td> <td>③ Lead</td> </tr> <tr> <td>② Resistor Layer</td> <td>④ Molding</td> </tr> </table> | | ① Alumina Substrate | ③ Lead | ② Resistor Layer | ④ Molding |
| ① Alumina Substrate | ③ Lead | | | | | | |
| ② Resistor Layer | ④ Molding | | | | | | |
| Electrical Characteristics | | | | | | | |
| 1 | Operating Temperature Range : -65°C ~ +175°C | | | | | | |
| 2 | Insulation Resistance : 10 GΩ Min. | | | | | | |
| 3 | Temperature Coefficient : ±100 ppm/°C (Referenced to 25°C, ΔR taken at +105°C) | | | | | | |
| 4 | Dielectric Strength : 1800VAC | | | | | | |
| 5 | Operating Voltage : 350V Max. | | | | | | |
| 6 | Load Life : 2,000 hours at rated power | | | | | | |
| 7 | Solderability : 245±5°C for 3 seconds (90% min. Coverage) | | | | | | |
| 8 | Storage Temperature: 25±5°C; Humidity: < 75%RH | | | | | | |
| 9 | Derating Curve : | | 10 Power Curve : | | | | |
|  <p>Derating Curve Slope : 0.333W/°K Thermal resistance : 3.00°K/W</p> | |  | | | | | |
| APPROVED BY CUSTOMER | | REMARK : | | | | | |
| Your Confirmation : <input type="checkbox"/> Approval <input type="checkbox"/> Conditional Approval <input type="checkbox"/> Rejection (Please send a copy for our ref.) | | For further details please visit the following link of our website : TR50_20250701.pdf | | | | | |
| Inspected by | | Checked by | 游弘明 | | | | |
| | | Approved by | 蘇彥華 | | | | |