

SPECIFICATION FOR APPROVAL

TO-220 Power Resistor – TR50 Series		Issue No.					
Customer :		Issue Day. 18/09/2025					
Part No : TR50JUG2R20	Resistance : 2.2 Ω	Power Rating : 50 Watts					
Cust. P/N :	Tolerance : ±5 %	Q.ty of Sample :					
Diagram of Dimensions : (Unit: mm)		Construction					
W: <u>10.41±0.26</u> D: <u>1.27±0.13</u> H: <u>16.26±0.26</u> D1: <u>0.8±0.15</u> B: <u>12.70±1.27</u> T: <u>3.18±0.26</u> B1: <u>3.3±0.76</u> P: <u>0.50±0.10</u> C: <u>5.08±0.26</u> P1: <u>1.78±0.26</u>		<table border="1"> <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
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Electrical Characteristics							
1	Working Temperature Range : -65°C ~ +175°C						
2	Insulation Resistance : 10 GΩ Min.						
3	Temperature Coefficient : ±200 ppm/°C (Referenced to 25°C, ΔR taken at +105°C)						
4	Load Life : 2,000 hours at rated power						
5	Dielectric Strength : 1800VAC						
6	Operating Voltage : 350V Max.						
7	Solderability : 245±5°C for 3 seconds (90% min. Coverage)						
8	Lead Material : Tinned Copper						
9	Derating Curve :						
Derating Curve Slope : 0.333W/°K Thermal resistance : 3.00°K/W							
APPROVED BY CUSTOMER		REMARK :					
Your Confirmation : ☐ Approval ☐ Conditional Approval ☐ 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				