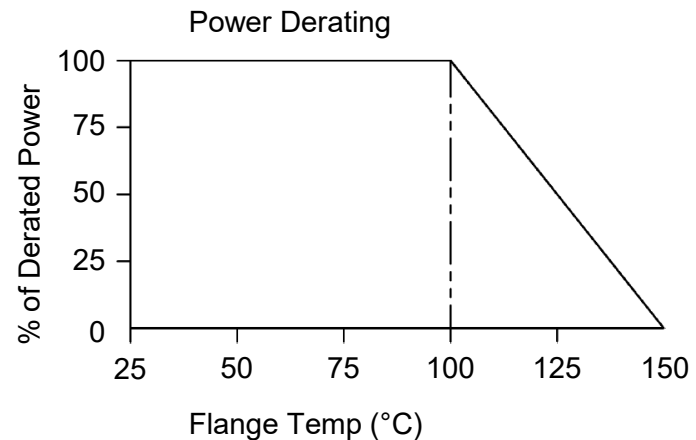


**Model: TD0AG0001**
*Legacy Model: PPT870-150-3*

## Technical Specifications

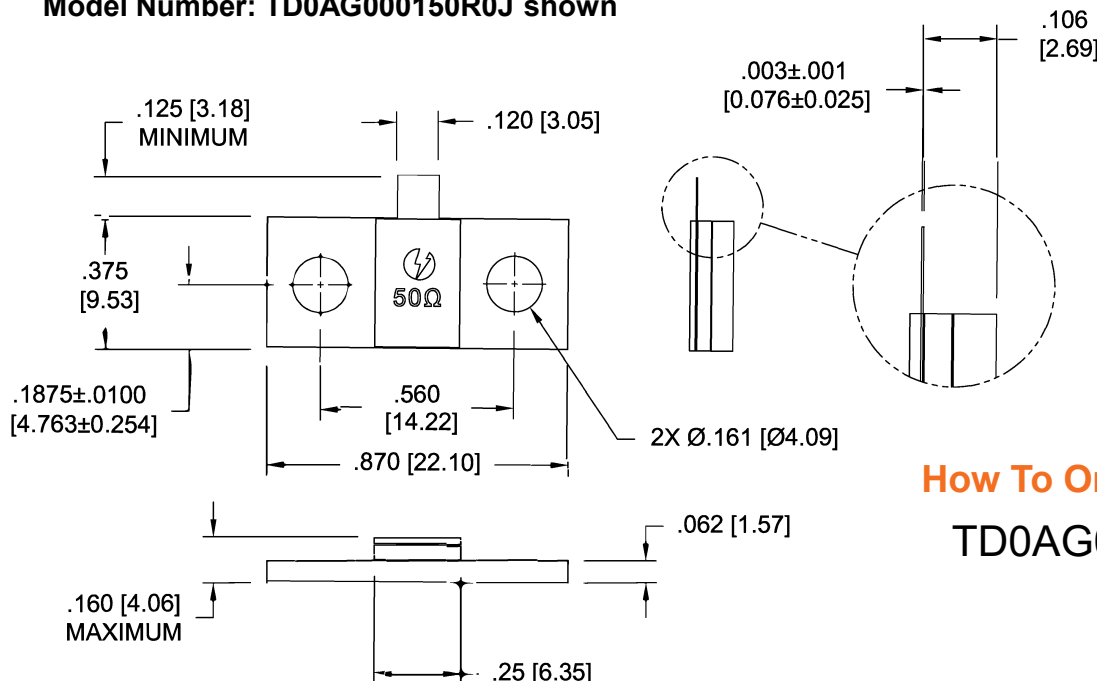
| Parameter             | Value                                                            |
|-----------------------|------------------------------------------------------------------|
| <b>Electrical</b>     |                                                                  |
| Frequency Range       | DC – 1 GHz                                                       |
| Ohm Value             | 50 ±5% Ohms (standard)                                           |
| Power Handling*       | 150 Watts Average<br><i>Derated linearity to 0 watt @ +150°C</i> |
| VSWR                  | DC-500 MHz 1.20:1 max.<br>500 MHz – 1 GHz 1.35:1 max.            |
| Operating Temp. Range | -55°C to +150°C                                                  |
| <b>Mechanical</b>     |                                                                  |
| Substrate             | Beryllium Oxide                                                  |
| Resistor Material     | Proprietary Thin Film                                            |
| Cover                 | Alumina Ceramic                                                  |
| Flange                | Nickel Plated Copper                                             |
| Tab                   | Gold Plated Beryllium Copper                                     |



\*Mounting surface shall not exceed 100°C max.

**Model Number: TD0AG000150R0J shown**

Tolerance: .XXX = ±.010



## How To Order

TD0AG0001XXXXY

Tolerance  
G = ±2%  
J = ±5%

Ohm Value  
50R0 = 50 Ohms  
1000 = 100 Ohms  
(Other values available)

\*\*Dimensions in brackets are expressed in millimeters and are for reference only.

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Approved for Release: September 2024/Brown

Spectrum Control reserves the right to make changes to datasheets at any time without notice.