

## Technical Specifications

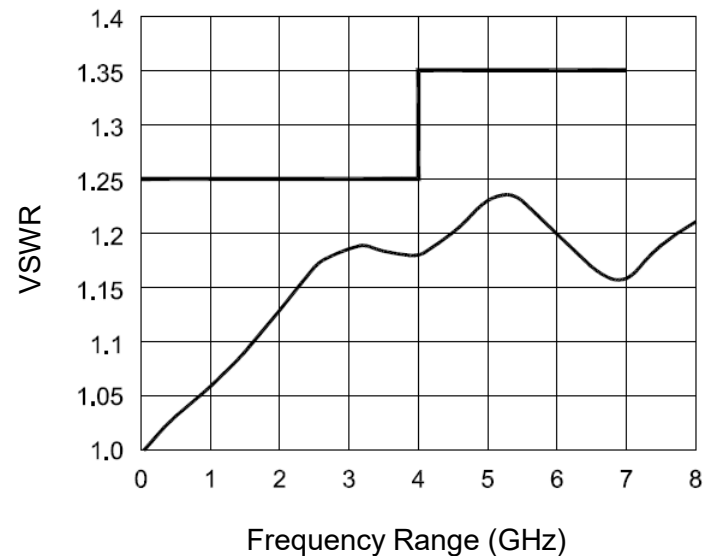
## Models: TA0AB0001 & TA00LAR01

*Legacy Model: 7ANT300-25 & 7ANT300-25L*

EAR99

| Parameter                         | Value                                                    |
|-----------------------------------|----------------------------------------------------------|
| Electrical                        |                                                          |
| Frequency Range                   | DC – 7 GHz                                               |
| Ohm Value                         | 50 ±5% Ohms (standard)                                   |
| Power Handling*                   | 25 Watts Average<br>Derated linearity to 0 watt @ +150°C |
| VSWR<br><br>DC-4 GHz<br>4 – 7 GHz | 1.25:1 max.<br>1.35:1 max.                               |
| Operating Temp. Range             | -55°C to +150°C                                          |
| Mechanical                        |                                                          |
| Substrate                         | Aluminum Nitride                                         |
| Resistor Material                 | Proprietary Thin Film                                    |
| Cover                             | Alumina Ceramic                                          |
| Flange                            | Nickel Plated Copper                                     |
| Tab                               | Gold Plated Beryllium Copper                             |

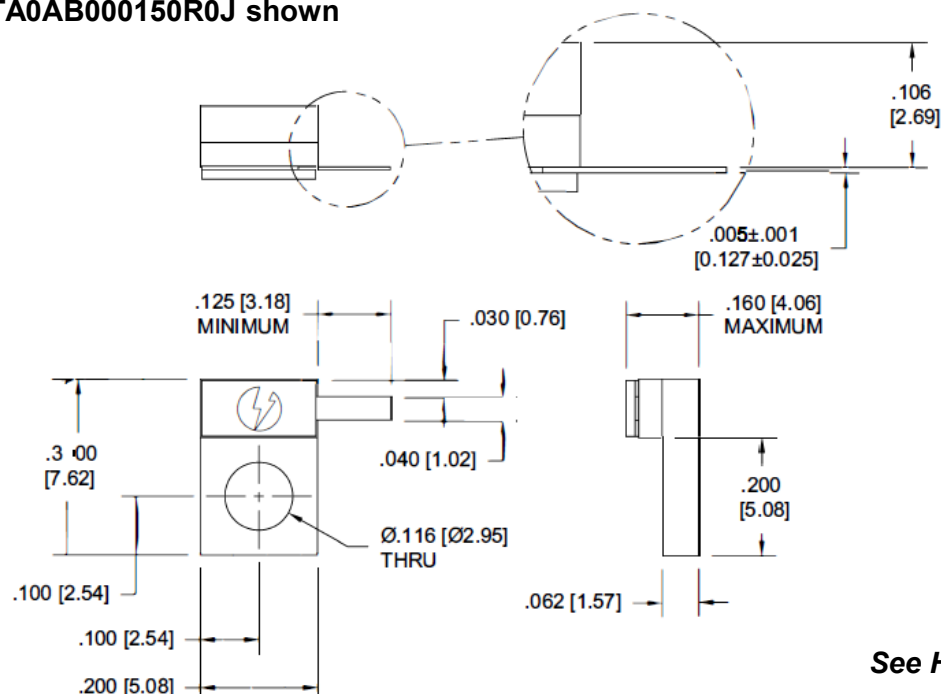
## Typical Performance



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

**Model Number: TA0AB000150R0J shown**

Tolerance: .XXX =  $\pm .010$



**See How to Order on page 2.**

\*\*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.

## Models: TA0AB0001 & TA00LAR01

*Legacy Model: 7ANT300-25 & 7ANT300-25L*

EAR99

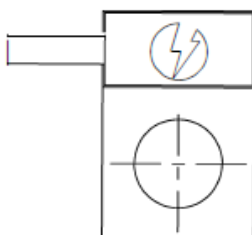
### How To Order

TA0AB0001XXXXY

Tolerance  
 G =  $\pm 2\%$   
 J =  $\pm 5\%$

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

### Non-Standard Tab Position – LEFT TAB ORIENTATION



### How To Order

TA00LAR01XXXXY

Tolerance  
 G =  $\pm 2\%$   
 J =  $\pm 5\%$

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