



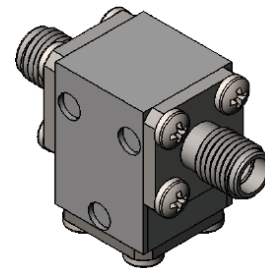
Part Number: D3I8510Y-4K

### Electrical Specifications

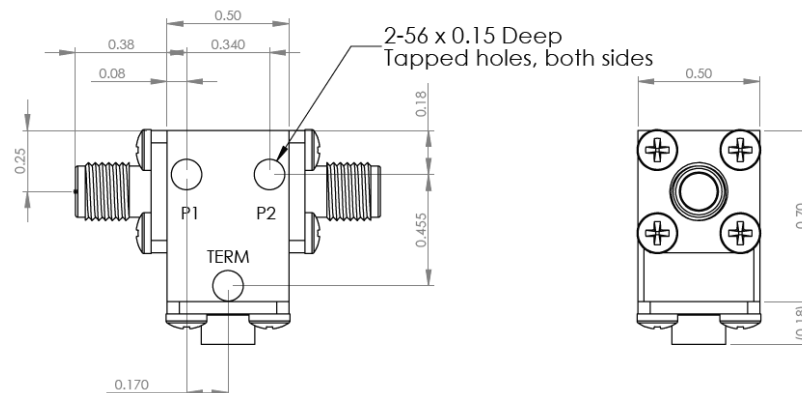
|                        |                 |
|------------------------|-----------------|
| Frequency Range (GHz): | 8.5 – 10.5      |
| Isolation (dB):        | 24 MIN          |
| Insertion Loss (dB):   | 0.3 MAX         |
| Return Loss (dB):      | 20 MIN          |
| Forward Power (W):     | 10 AVG<br>30 PK |
| Reflective Power (W):  | 2 AVG           |

### Mechanical/Environmental Specifications

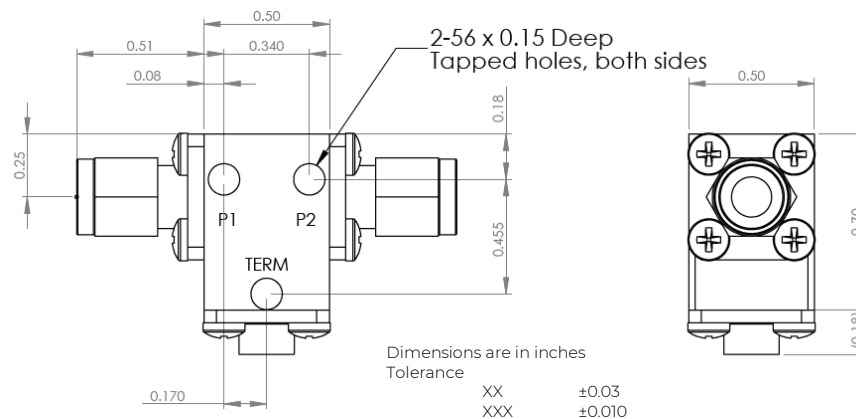
|                 |                            |
|-----------------|----------------------------|
| Connector Type: | SMA                        |
| Connector Body: | Passivated stainless steel |
| Connector Pin:  | Gold plated copper         |
| Load Body:      | Brass                      |
| Magnetic Shunt: | Nickel plated CRS          |
| Optimized Temp: | < 4K                       |
| Weight (oz)     | 0.9 MAX                    |



D3I8510Y-4K



D3I8510Y-4K-3



| Type of Device                                                          | PN Suffix | Connector Configuration<br>Port 1 / Port 2 | PN Example    |
|-------------------------------------------------------------------------|-----------|--------------------------------------------|---------------|
| Single and Dual Junction Isolator, 2-Port Device<br><br>Port 1 / Port 2 | N/A       | Female / Female                            | D3I8510Y-4K   |
|                                                                         | -1        | Male / Female                              | D3I8510Y-4K-1 |
|                                                                         | -2        | Female / Male                              | D3I8510Y-4K-2 |
|                                                                         | -3        | Male / Male                                | D3I8510Y-4K-3 |



## MEASURED DATA

Part Number: D3I8510Y-4K, Measured at 4K

