



Part Number: D3I4312-77K

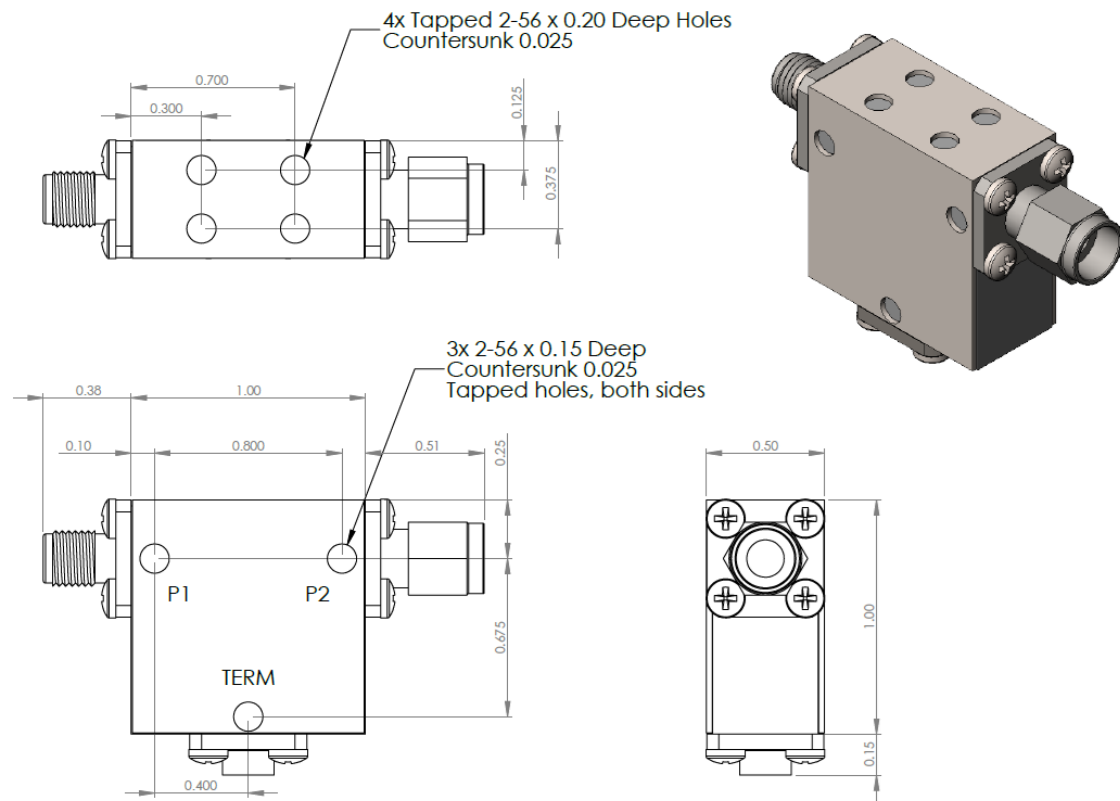
### Electrical Specifications

|                        |                 |
|------------------------|-----------------|
| Frequency Range (GHz): | 4.3 – 12.3      |
| Isolation (dB):        | 16 MIN          |
| Insertion Loss (dB):   | 0.6 MAX         |
| Return Loss (dB):      | 16 MIN          |
| Forward Power (W):     | 20 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 Temperature: | < 77K                      |
| Weight (oz)            | 2.0 MAX                    |

### D3I4312-77K-2 Dimensions



Dimensions are in inches  
Tolerance  
XX ±0.03  
XXX ±0.010

| Type of Device                                                             | PN Suffix | Connector Configuration<br>Port 1 / Port 2 | PN Example    |
|----------------------------------------------------------------------------|-----------|--------------------------------------------|---------------|
| Single and Dual Junction<br>Isolator, 2-Port Device<br><br>Port 1 / Port 2 | N/A       | Female / Female                            | D3I4312-77K   |
|                                                                            | -1        | Male / Female                              | D3I4312-77K-1 |
|                                                                            | -2        | Female / Male                              | D3I4312-77K-2 |
|                                                                            | -3        | Male / Male                                | D3I4312-77K-3 |



## MEASURED DATA

Part Number: D3I4312-77K, Measured at 77K

