



Part Number: D4I8292YMG-77K

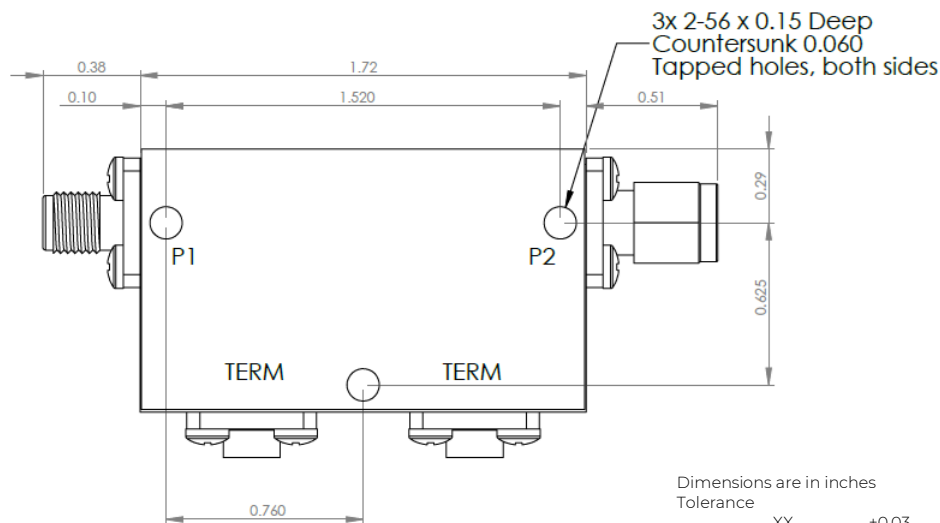
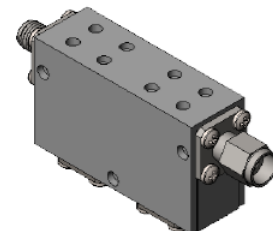
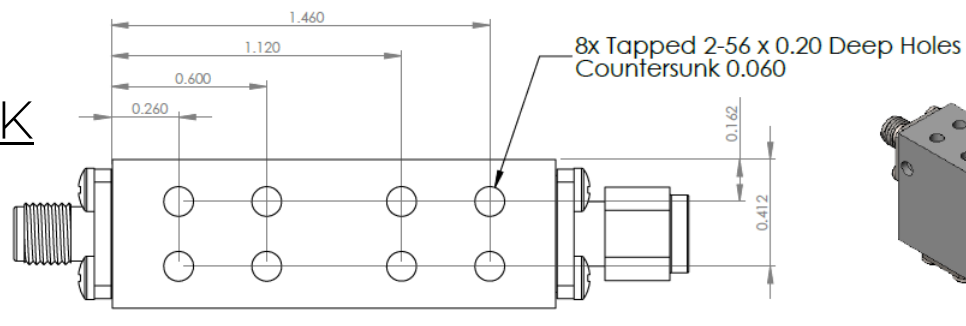
### Electrical Specifications

|                        |           |
|------------------------|-----------|
| Frequency Range (GHz): | 8.2 – 9.2 |
| Isolation (dB):        | 50 MIN    |
| Insertion Loss (dB):   | 0.4 MAX   |
| Return Loss (dB):      | 25 MIN    |
| Forward Power (W):     | 25 AVG    |
|                        | 500 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          |
| Magnetically Shielded: | Yes                        |
| Optimized Temperature: | < 77K                      |
| Weight (oz)            | 4.0 MAX                    |

D4I8292YMG-77K-2



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 Isolator, 2-Port Device | N/A       | Female / Female                            | D4I8292YMG-77K   |
|                                                  | -1        | Male / Female                              | D4I8292YMG-77K-1 |
|                                                  | -2        | Female / Male                              | D4I8292YMG-77K-2 |
|                                                  | -3        | Male / Male                                | D4I8292YMG-77K-3 |



## MEASURED DATA

Part Number: D4I8292YMG-77K, Measured at 77K

