



Part Number: D3C1320Y-77K

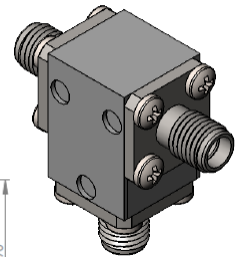
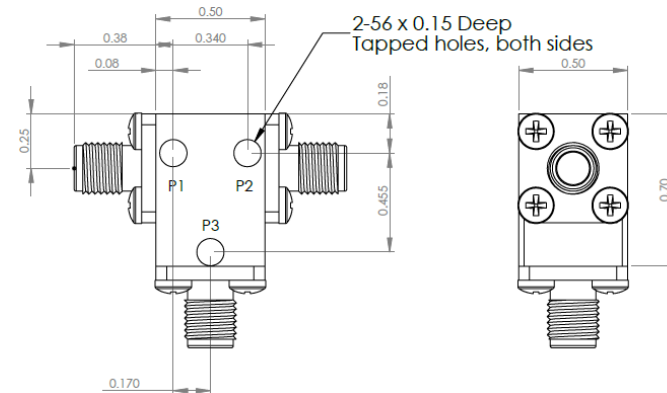
### Electrical Specifications

|                        |             |
|------------------------|-------------|
| Frequency Range (GHz): | 13.9 – 20.4 |
| Isolation (dB):        | 20 MIN      |
| Insertion Loss (dB):   | 0.45 MAX    |
| Return Loss (dB):      | 14 MIN      |
| Forward Power (W):     | 10 AVG      |
|                        | 30 PK       |

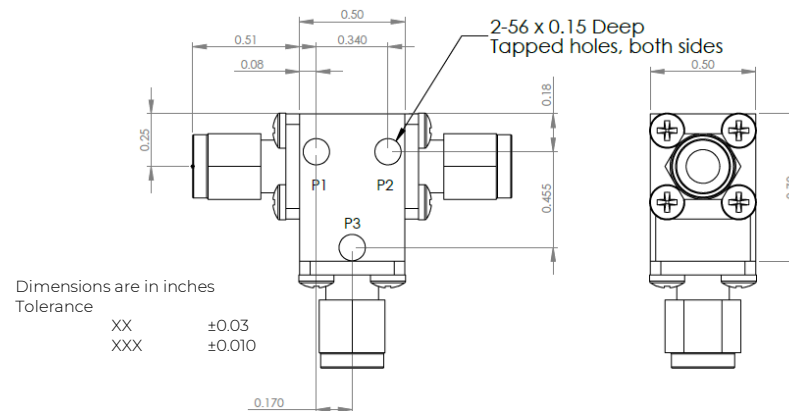
### Mechanical/Environmental Specifications

|                        |                            |
|------------------------|----------------------------|
| Connector Type:        | SMA                        |
| Connector Body:        | Passivated stainless steel |
| Connector Pin:         | Gold plated copper         |
| Magnetic Shunt:        | Nickel plated CRS          |
| Optimized Temperature: | < 77K                      |
| Weight (oz)            | 0.9 MAX                    |

D3C1320Y-77K



D3C1320Y-77K-3



Dimensions are in inches  
Tolerance  
XX ±0.03  
XXX ±0.010

| Type of Device                                                              | PN Suffix | Connector Configuration<br>Port 1 / Port 2 / Port 3 | PN Example     |
|-----------------------------------------------------------------------------|-----------|-----------------------------------------------------|----------------|
| Single Junction Circulator<br>3-Port Device<br><br>Port 1 / Port 2 / Port 3 | No Dash   | Female / Female / Female                            | D3C1320Y-77K   |
|                                                                             | -1        | Male / Female / Female                              | D3C1320Y-77K-1 |
|                                                                             | -2        | Female / Male / Female                              | D3C1320Y-77K-2 |
|                                                                             | -3        | Male / Male / Male                                  | D3C1320Y-77K-3 |
|                                                                             | -4        | Female / Female / Male                              | D3C1320Y-77K-4 |
|                                                                             | -5        | Male / Female / Male                                | D3C1320Y-77K-5 |
|                                                                             | -6        | Male / Male / Female                                | D3C1320Y-77K-6 |
|                                                                             | -7        | Female / Male / Male                                | D3C1320Y-77K-7 |



## MEASURED DATA

Part Number: D3C1320Y-77K, P1→P2, P3 Terminated with 50Ω, Measured at 77K

