



## Part Number: D3C6012

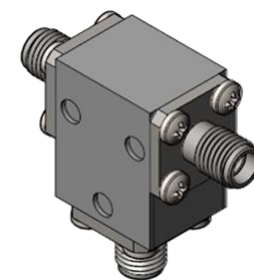
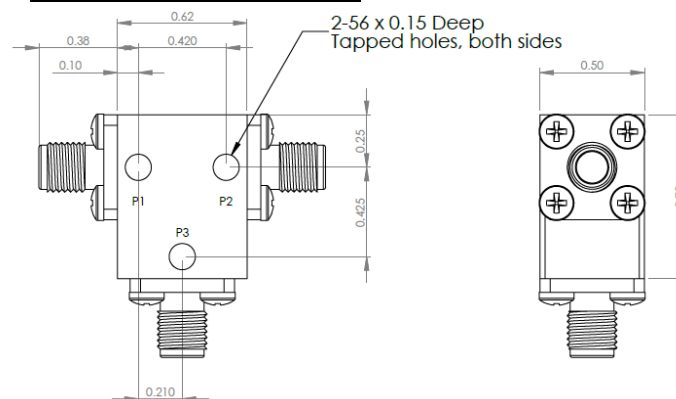
### Electrical Specifications

|                        |            |
|------------------------|------------|
| Frequency Range (GHz): | 6.0 – 12.4 |
| Isolation (dB):        | 17 MIN     |
| Insertion Loss (dB):   | 0.6 MAX    |
| VSWR:                  | 1.35:1 MIN |
| Forward Power (W):     | 20 AVG     |
|                        | 30 PK      |

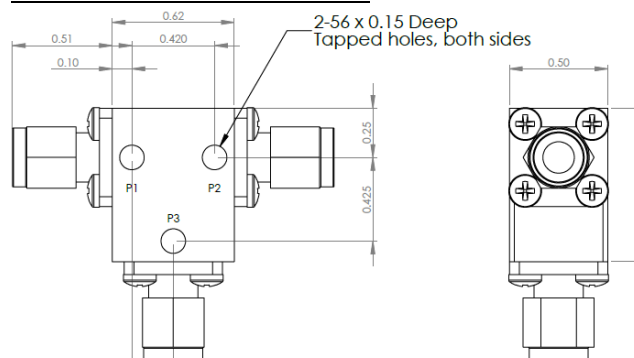
### Mechanical/Environmental Specifications

|                   |                            |
|-------------------|----------------------------|
| Connector Type:   | SMA                        |
| Connector Body:   | Passivated stainless steel |
| Connector Pin:    | Gold plated copper         |
| Load Body:        | Brass                      |
| Magnetic Shunt:   | Nickel plated CRS          |
| Operational Temp: | -10°C to +60°C             |
| Weight (oz)       | 1.0 MAX                    |

### D3C6012 Dimensions



### D3C6012-3 Dimensions



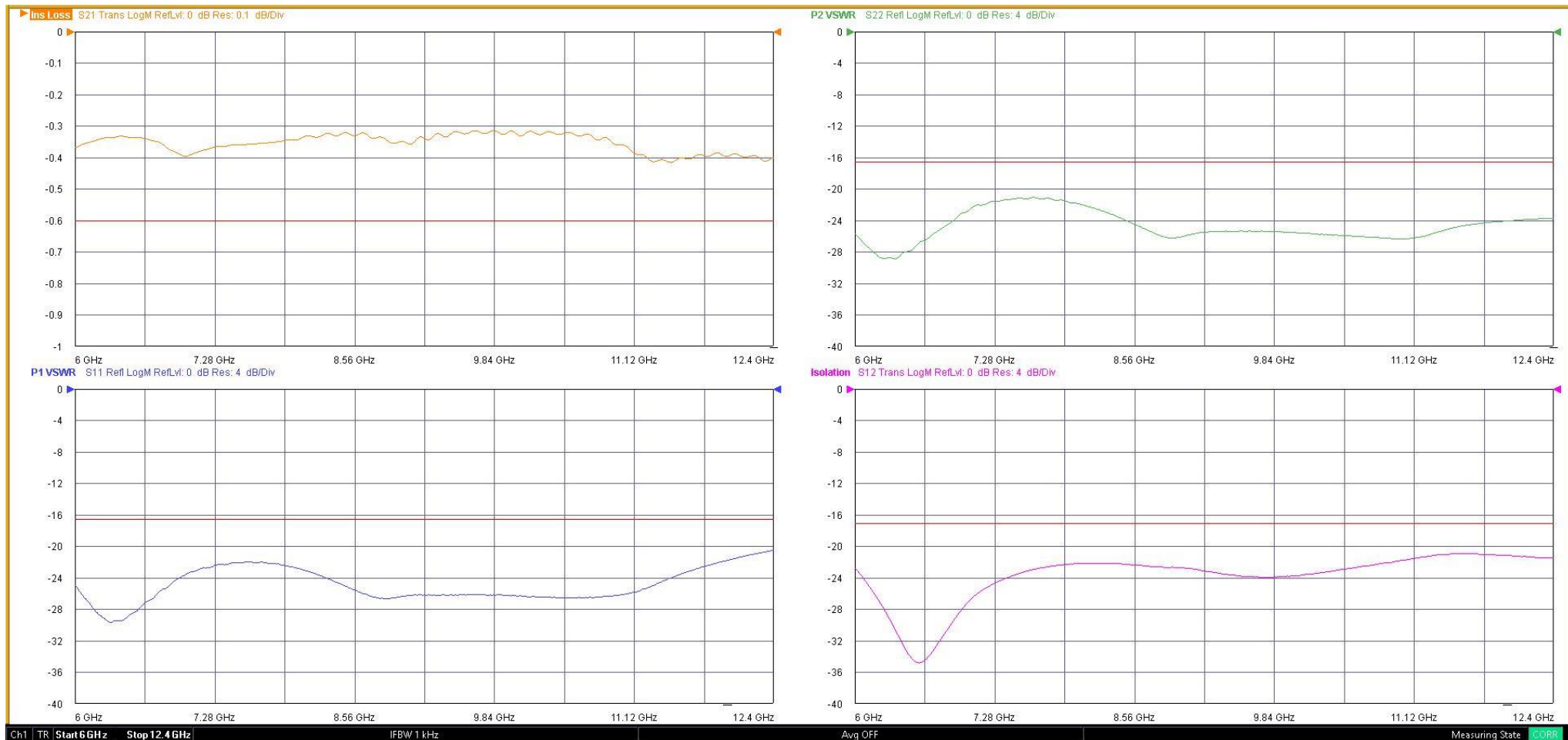
Dimensions are in inches  
Tolerance  
XX ±0.03  
XXX ±0.010

| Type of Device                                                              | PN Suffix | Connector Configuration<br>Input / Output | PN Example |
|-----------------------------------------------------------------------------|-----------|-------------------------------------------|------------|
| Single Junction Circulator<br>3-Port Device<br><br>Port 1 / Port 2 / Port 3 | No Dash   | Female / Female / Female                  | D3C6012    |
|                                                                             | -1        | Male / Female / Female                    | D3C6012-1  |
|                                                                             | -2        | Female / Male / Female                    | D3C6012-2  |
|                                                                             | -3        | Male / Male / Male                        | D3C6012-3  |
|                                                                             | -4        | Female / Female / Male                    | D3C6012-4  |
|                                                                             | -5        | Male / Female / Male                      | D3C6012-5  |
|                                                                             | -6        | Male / Male / Female                      | D3C6012-6  |
|                                                                             | -7        | Female / Male / Male                      | D3C6012-7  |



## MEASURED DATA

Part Number: D3C6012, P1→P2, P3 Terminated with 50Ω, +25°C



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