



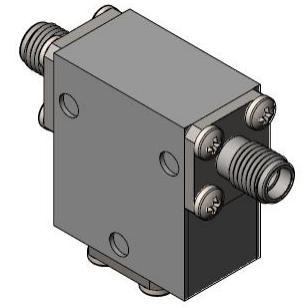
## Part Number: D3I8012

### Electrical Specifications

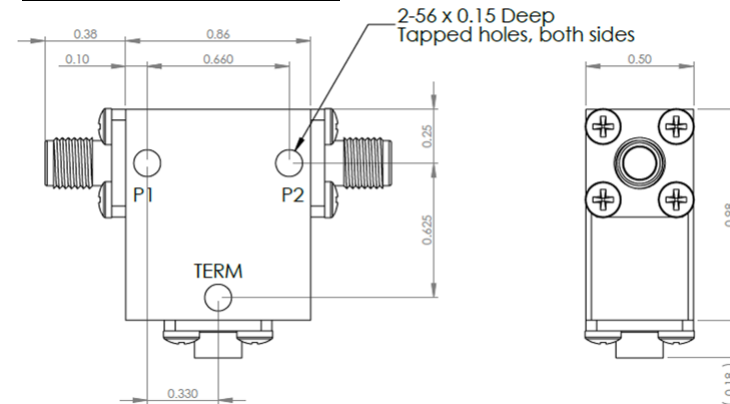
Frequency Range (GHz):	8.0 – 12.4
Isolation (dB):	20 MIN
Insertion Loss (dB):	0.5 MAX
VSWR:	1.25:1 MIN
Forward Power (W):	25 AVG 500 PK
Reflective Power (W):	2 AVG

### Mechanical/Environmental Specifications

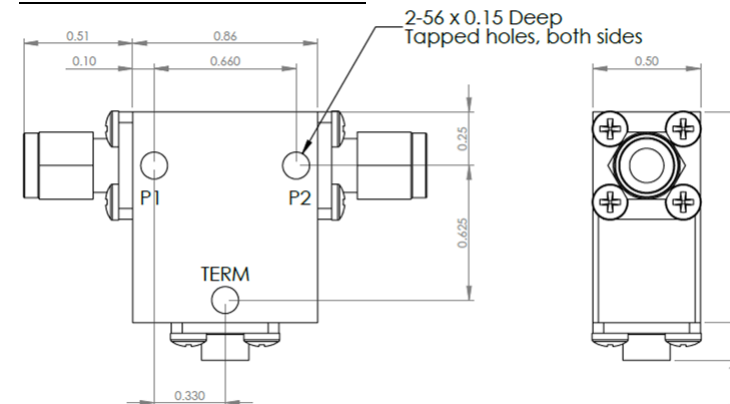
Connector Type:	SMA
Connector Body:	Passivated stainless steel
Connector Pin:	Gold plated copper
Load Body:	Brass
Magnetic Shunt:	Nickel plated CRS
Operational Temp:	-30°C to +85°C
Weight (oz)	1.0 MAX



### D3I8012 Dimensions



### D3I8012-3 Dimensions



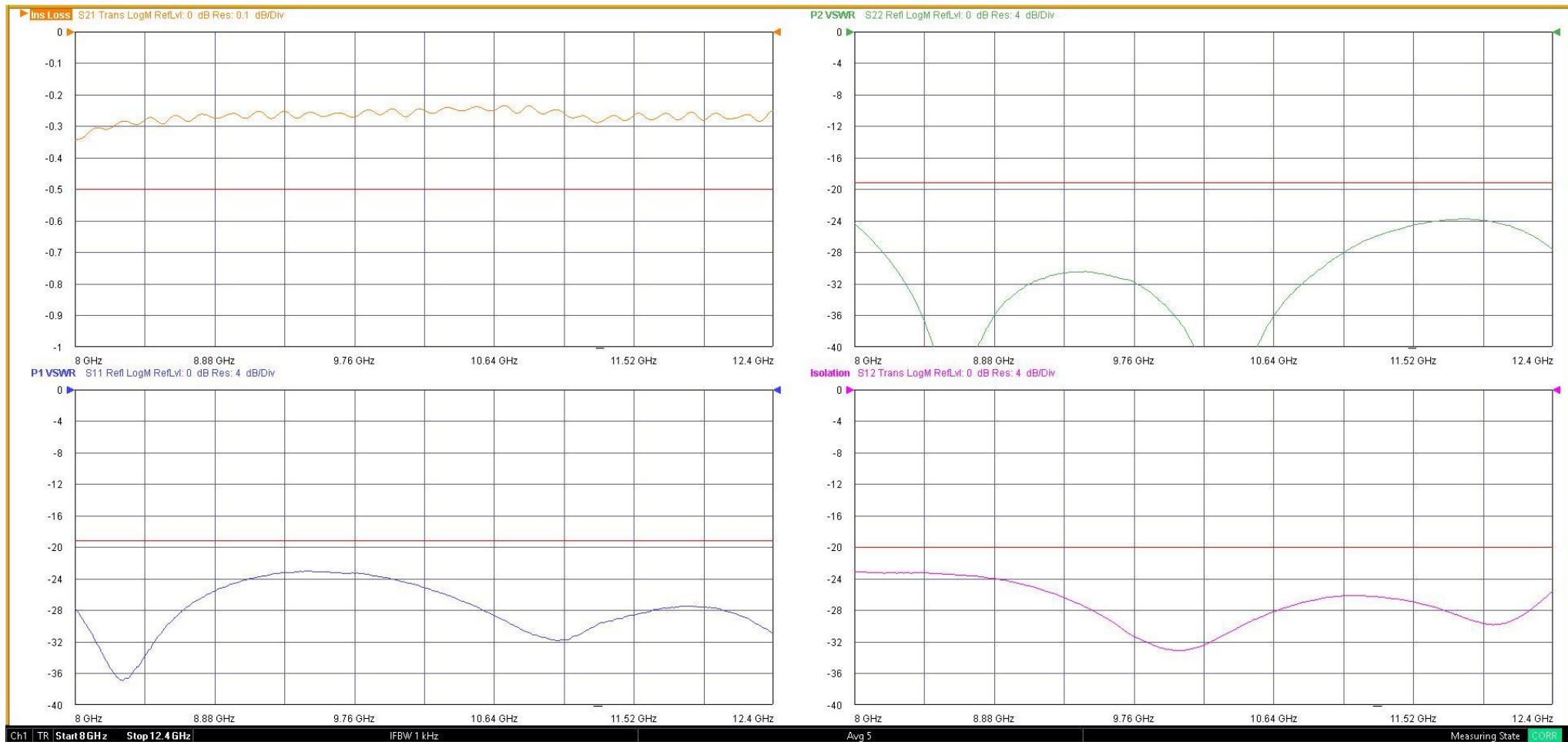
Dimensions are in inches  
Tolerance  
XX ±0.03  
XXX ±0.010

Type of Device	PN Suffix	Connector Configuration Input / Output	PN Example
Single and Dual Junction Isolator, 2-Port Device  Input / Output	N/A	Female / Female	D3I8012
	-1	Male / Female	D3I8012-1
	-2	Female / Male	D3I8012-2
	-3	Male / Male	D3I8012-3



## MEASURED DATA

Part Number: D3I8012, +25°C



# Mouser Electronics

Authorized Distributor

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[D3I8012](#) [D3I8012-1](#) [D3I8012-2](#) [D3I8012-3](#)