



Part Number: D3C3742

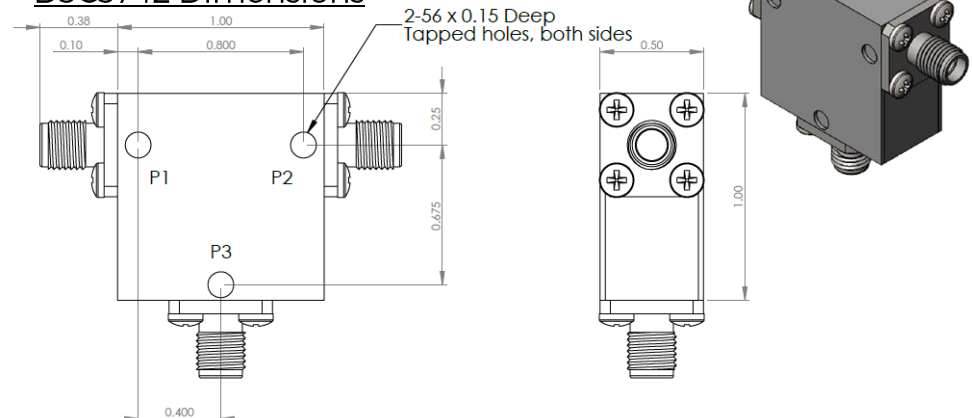
Electrical Specifications

Frequency Range (GHz):	3.7 – 4.2
Isolation (dB):	23 MIN
Insertion Loss (dB):	0.3 MAX
VSWR:	1.2:1 MIN
Forward Power (W):	20 AVG
	50 PK

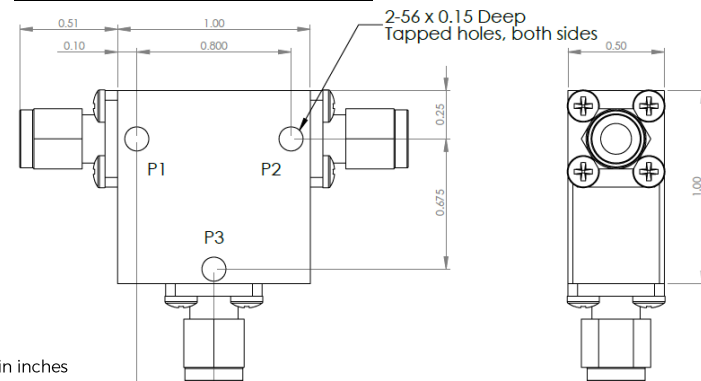
Mechanical/Environmental Specifications

Connector Type:	SMA
Connector Body:	Passivated stainless steel
Connector Pin:	Gold plated copper
Load Body:	Brass
Magnetic Shunt:	Nickel plated CRS
Operational Temp:	-30°C to +65°C
Weight (oz)	2.0 MAX

D3C3742 Dimensions



D3C3742-3 Dimensions



Dimensions are in inches
Tolerance

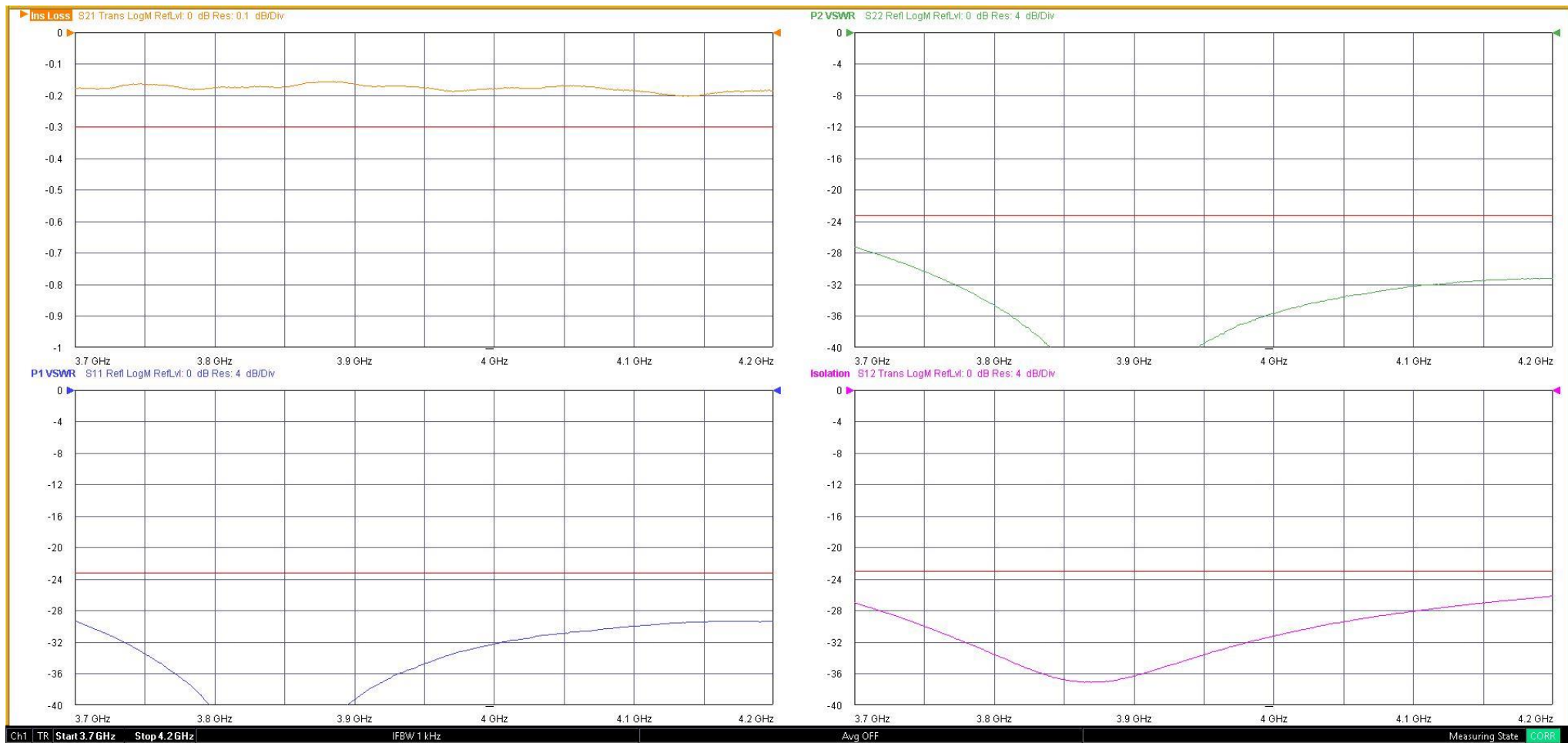
XX ±0.03
XXX ±0.010

Type of Device	PN Suffix	Connector Configuration Input / Output	PN Example
Single Junction Circulator 3-Port Device Port 1 / Port 2 / Port 3	No Dash	Female / Female / Female	D3C3742
	-1	Male / Female / Female	D3C3742-1
	-2	Female / Male / Female	D3C3742-2
	-3	Male / Male / Male	D3C3742-3
	-4	Female / Female / Male	D3C3742-4
	-5	Male / Female / Male	D3C3742-5
	-6	Male / Male / Female	D3C3742-6
	-7	Female / Male / Male	D3C3742-7



MEASURED DATA

Part Number: D3C3742, P1→P2, P3 Terminated with 50Ω, +25°C



Mouser Electronics

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[D3C3742](#) [D3C3742-1](#) [D3C3742-2](#) [D3C3742-3](#) [D3C3742-4](#) [D3C3742-5](#) [D3C3742-6](#) [D3C3742-7](#)