DiTom MICROWAVE INC.

Part Number: D4I4012YMG-77K

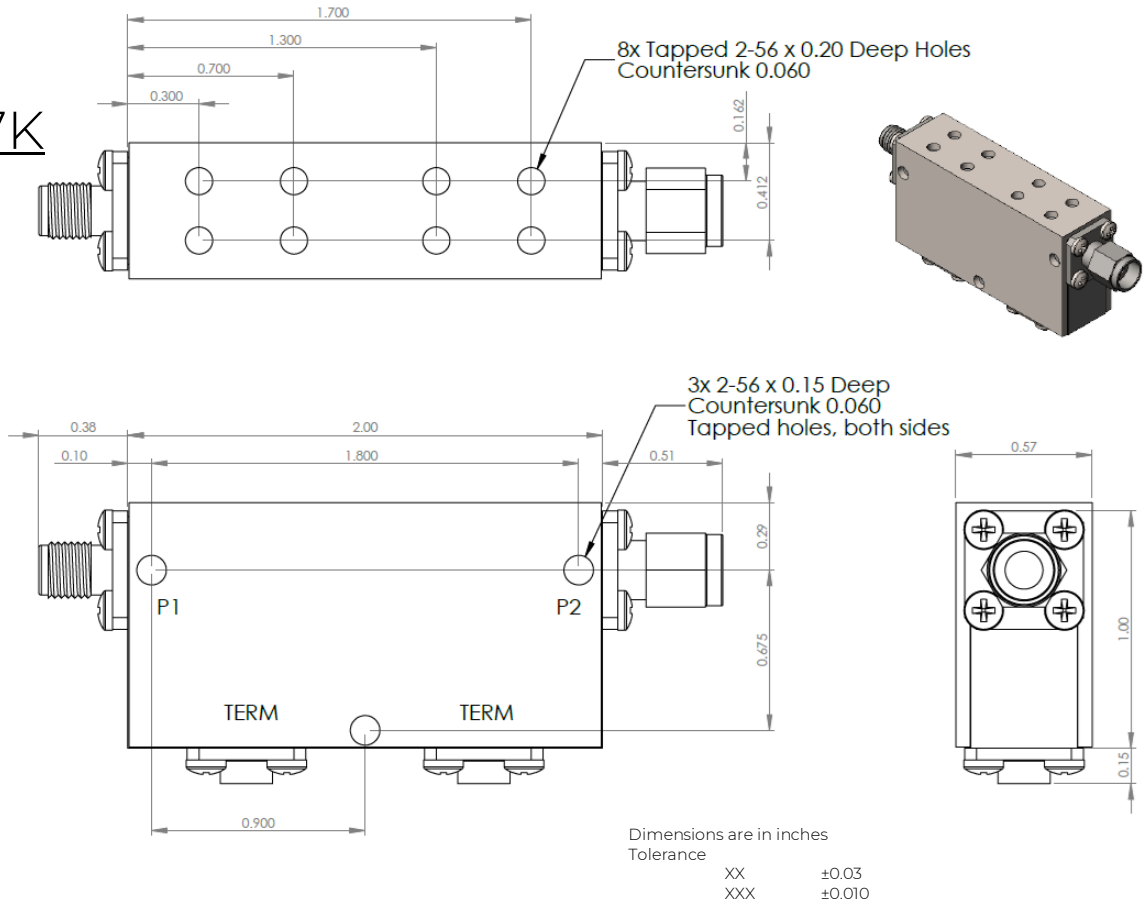
Electrical Specifications

Frequency Range (GHz):	4.0 – 12.0	
Isolation (dB):	24	MIN
Insertion Loss (dB):	1.6	MAX
Return Loss (dB):	12	MIN
Forward Power (W):	20	AVG
	30	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
Operational Temp:	< 77K
Weight (oz)	4.0 MAX

D4I4012YMG-77K-2



Dimensions are in inches
Tolerance
XX ±0.03
XXX ±0.010

Type of Device	PN Suffix	Connector Configuration Port 1 / Port 2	PN Example
Single and Dual Junction Isolator, 2-Port Device Port 1 / Port 2	N/A	Female / Female	D4I4012YMG-77K
	-1	Male / Female	D4I4012YMG-77K-1
	-2	Female / Male	D4I4012YMG-77K-2
	-3	Male / Male	D4I4012YMG-77K-3

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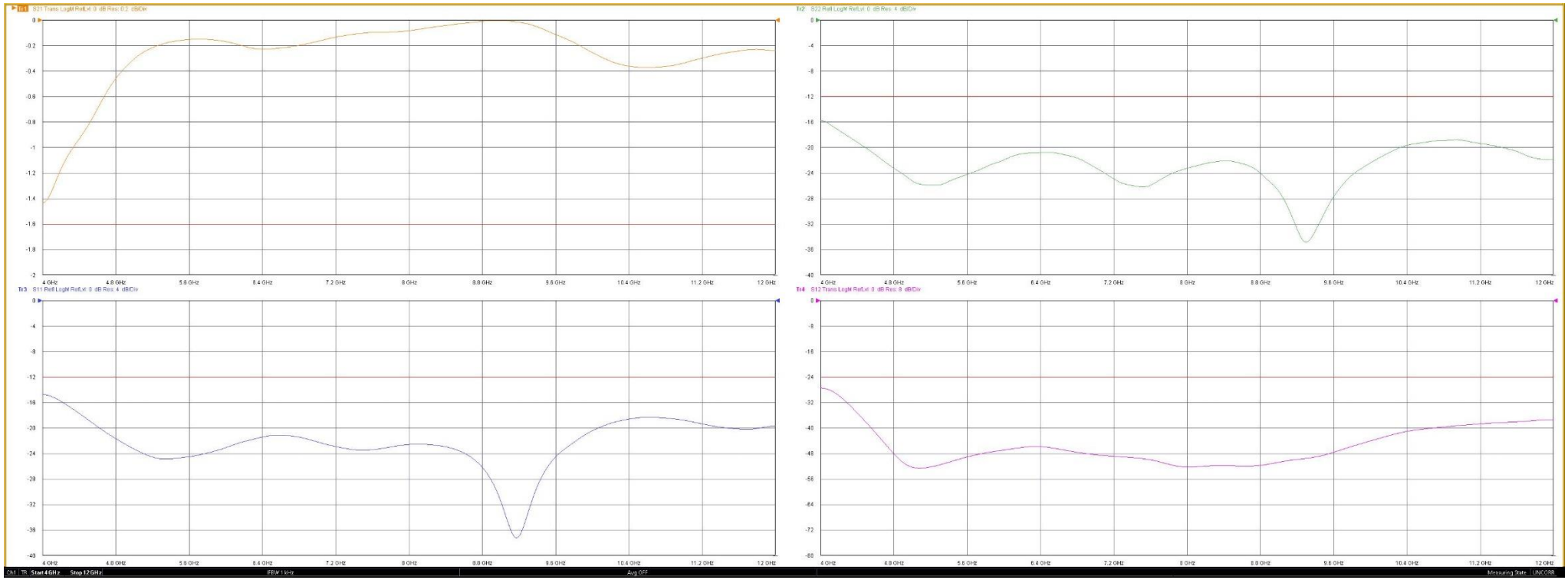
MEASURED DATA

Part Number: D4I4012YMG-77K, Measured at 77K



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