

## Features

- Design : Wilkinson
- Stainless Steel Connectors
- Low Insertion Loss 1.6dB
- RoHS and REACH Compliant
- High Isolation 16dB

## Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	10		40
Nominal Splitter Loss	dB		3.0	
Insertion Loss	dB			1.6
Input VSWR				1.45
Output VSWR				1.45
Amplitude Balance	dB			0.4
Phase Balance	deg			5
Isolation	dB	16		
Forward Power	W			20
Reverse Power	W			1
Peak Power	KW			0.2
Impedance	Ohms		50	
Operating Temp.	°C	-45		+85

## Special Requirements

Insertional Loss : 1.3dB max @ 12.25-14.75GHz and 1.6dB max @34.5-37GHz

IN / OUT VSWR : 1.45@12.25-14.75GHz & 34.5-37GHz

Isolation : 16dB @ 34.5-37GHz and 20dB @ 12.25-14.75GHz

## Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- All output ports /power combiner in-amplitude (0dB difference) ;
- All output ports /power combiner in-phase (0° difference) ;

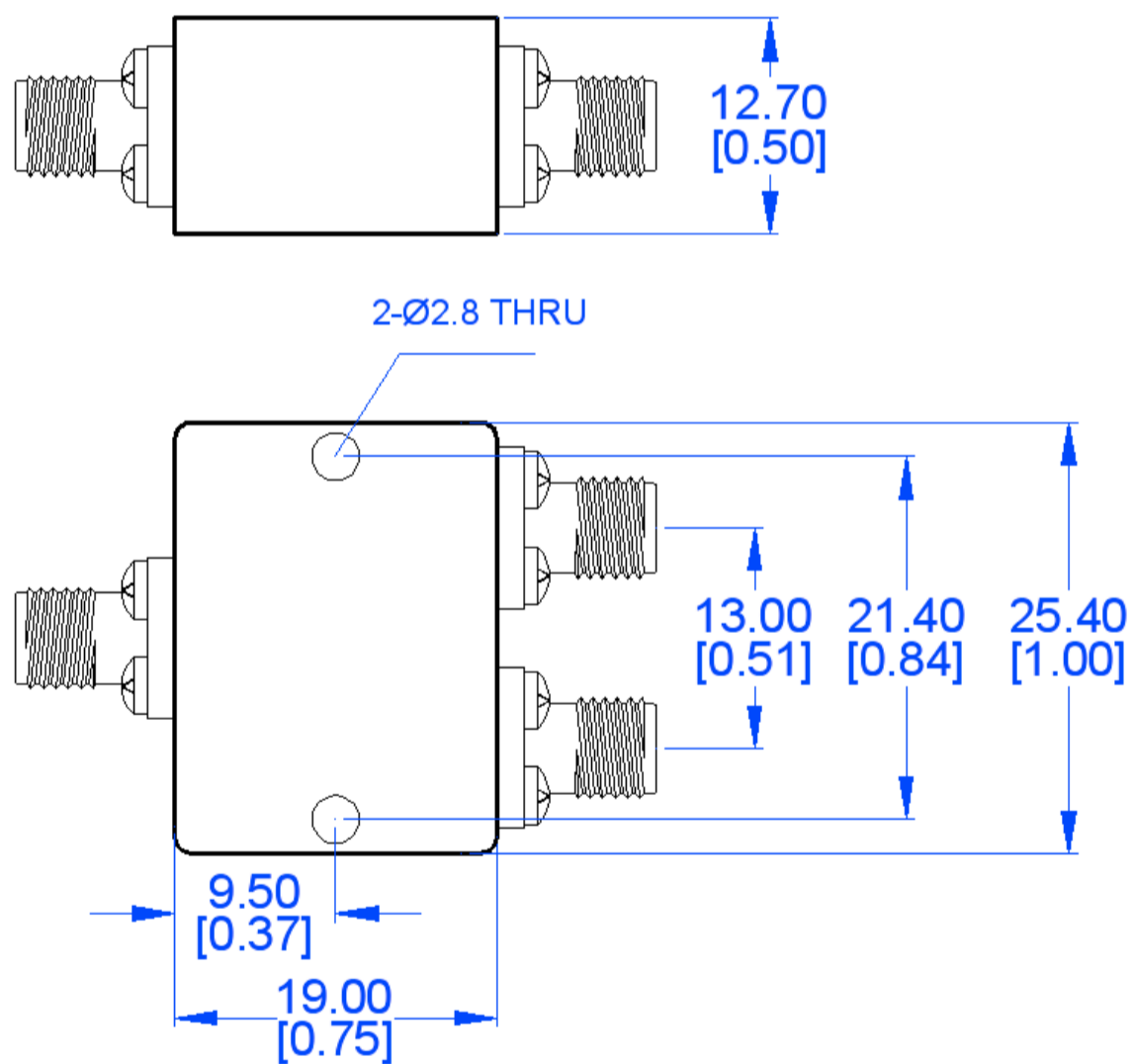
**Mechanical Specifications**

Dimension L*W*H	25.4*19*12.7 mm
Input Connector	2.92mm-Female Stainless Steel
Output Connectors	2.92mm-Female Stainless Steel
Weight	60 g
Finishing	Paint Black
Environment	Nominal

**Compliance Certifications**

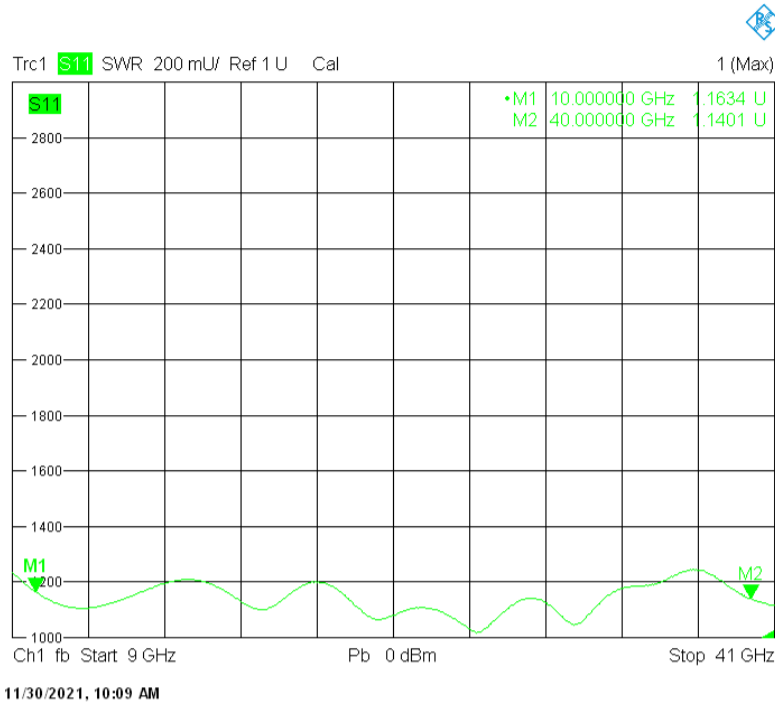
RoHS Compliant	✓
REACH Compliant	✓

**CAD Drawing**

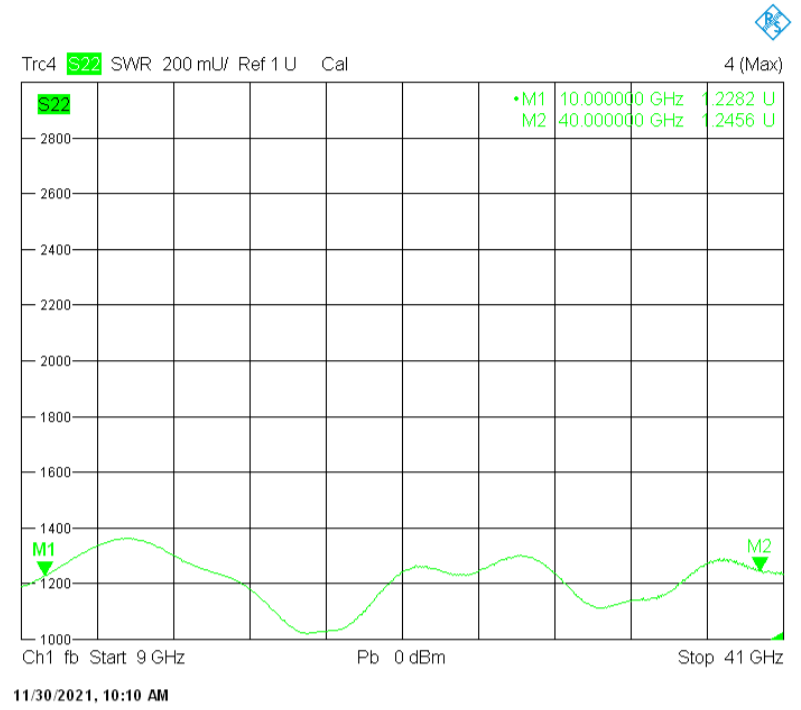


Dimensions are in mm [Inches]  
 Tolerances : Outline drawing: ±0.2 [0.008]  
 Hole: ±0.2 [0.008]

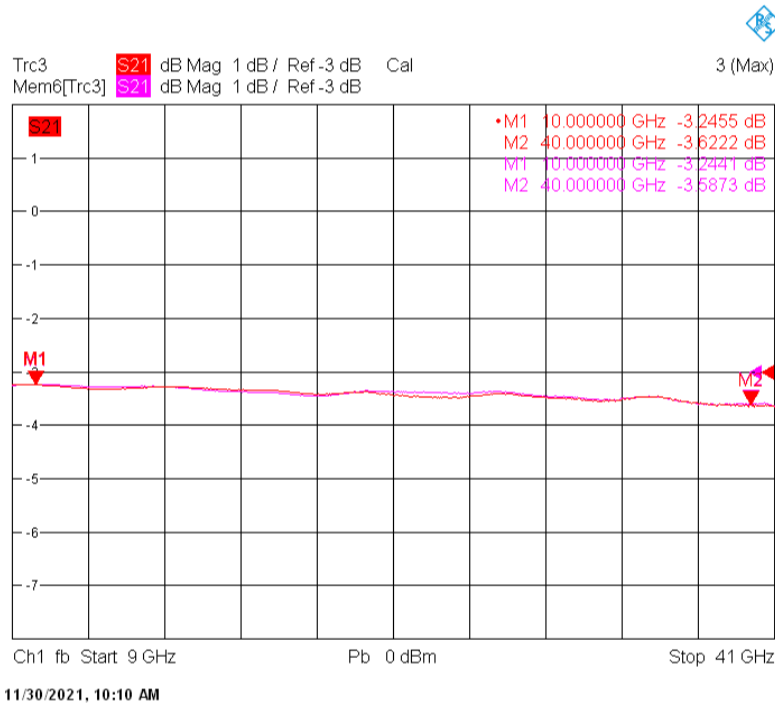
## Input Port VSWR



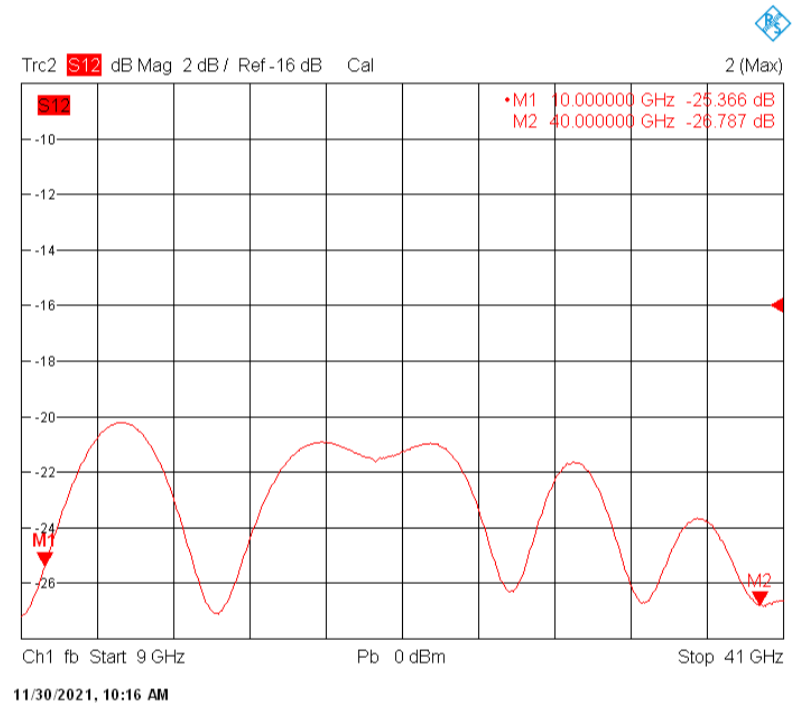
## Output Port VSWR



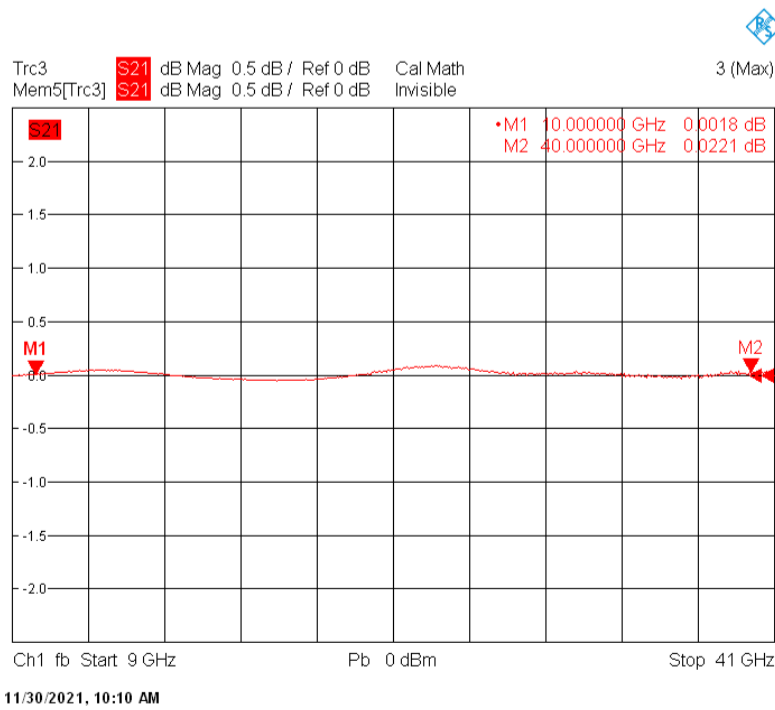
## Output Port Insertion Loss



## Output Port Isolation



## Amplitude Balance



## Phase Balance

