

## Features

- Low Phase Balance 20dB
- Low Insertion Loss 2.5dB
- Low Amplitude Balance 3.6dB
- RoHS and REACH Compliant
- High Isolation 10dB

## Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	2		40
Phase Difference	deg		90	
Insertion Loss	dB			2.5
VSWR				1.8
Amplitude Balance	dB			3.6
Phase Balance	deg			20
Isolation	dB	10		
Input Power (CW)	W			20
Input Power (Peak)	KW			0.2
Impedance	Ohms		50	
Operating Temp.	°C	-45		+85

## Special Requirements

Insertion Loss: 1.0dB max. @2-8GHz Isolation : 15dB mix. @2-8GHz Amplitude Balance : 2.4dB max. @8-40GHz Phase Balance : 16dB max. @2-8GHz

## Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- Insertion Loss : Excludes Coupling loss insertion loss ;
- Relative Humidity 5 to 95% ;

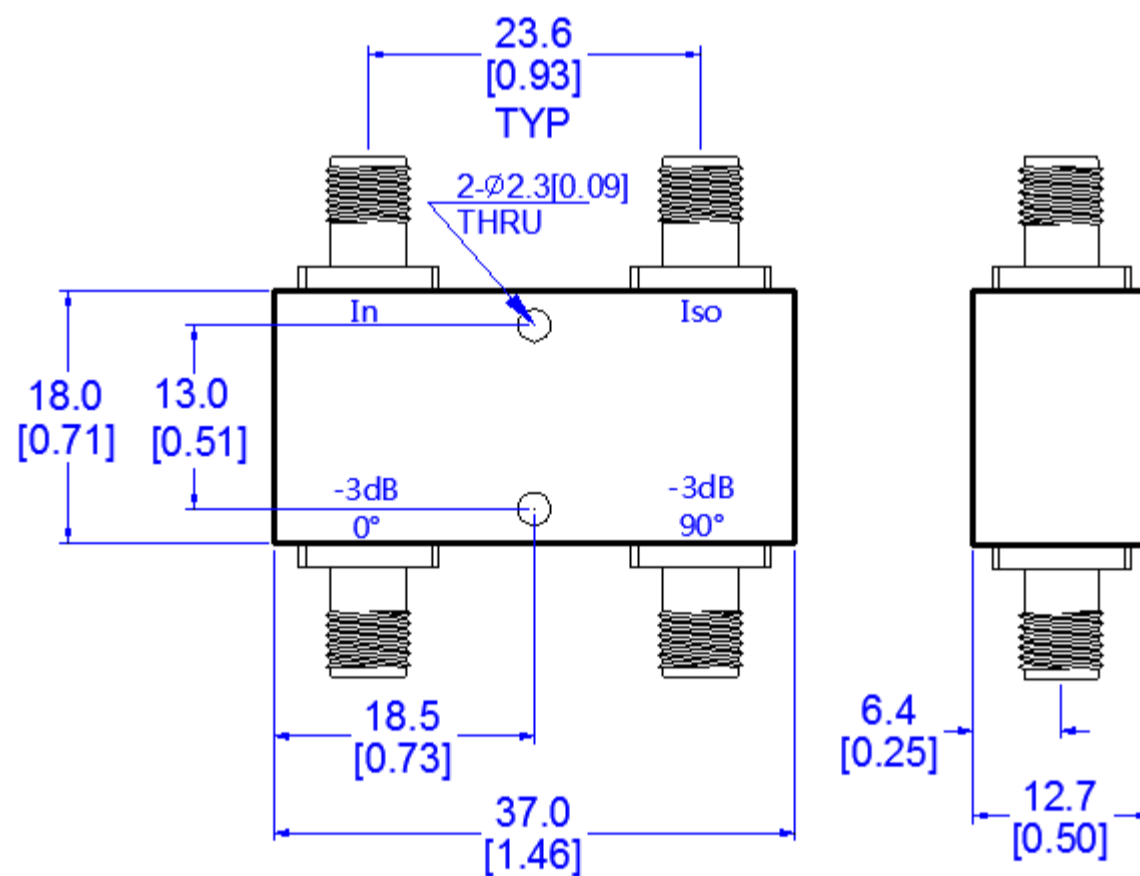
**Mechanical Specifications**

Dimension L*W*H	37*18*12.7 mm
Input Connector	2.92mm-Female Stainless Steel
Output Connectors	2.92mm-Female Stainless Steel
Weight	35 g
Finishing	[F8YL9F8]
Environment	Paint Black

**Compliance Certifications**

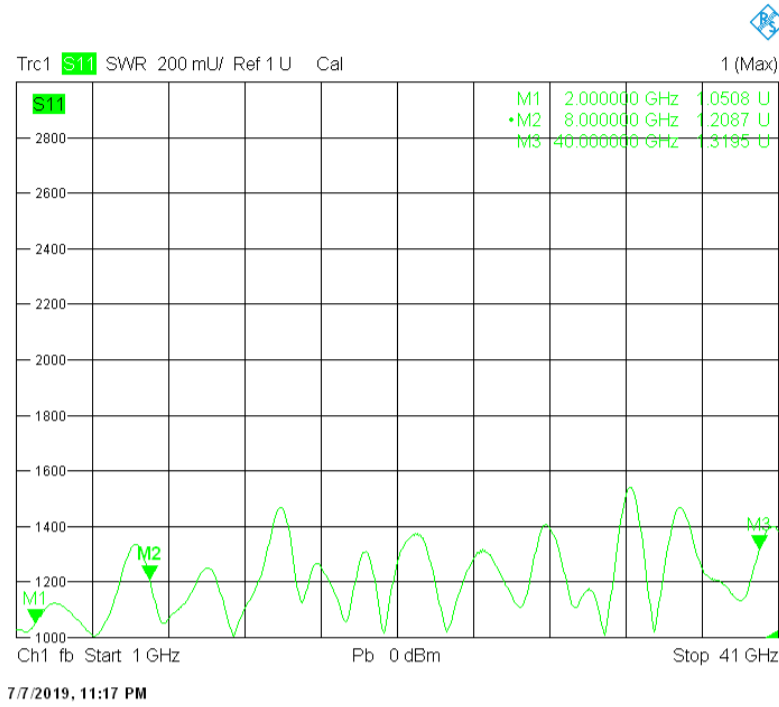
RoHS Compliant	Nominal
REACH Compliant	Nominal

**CAD Drawing**

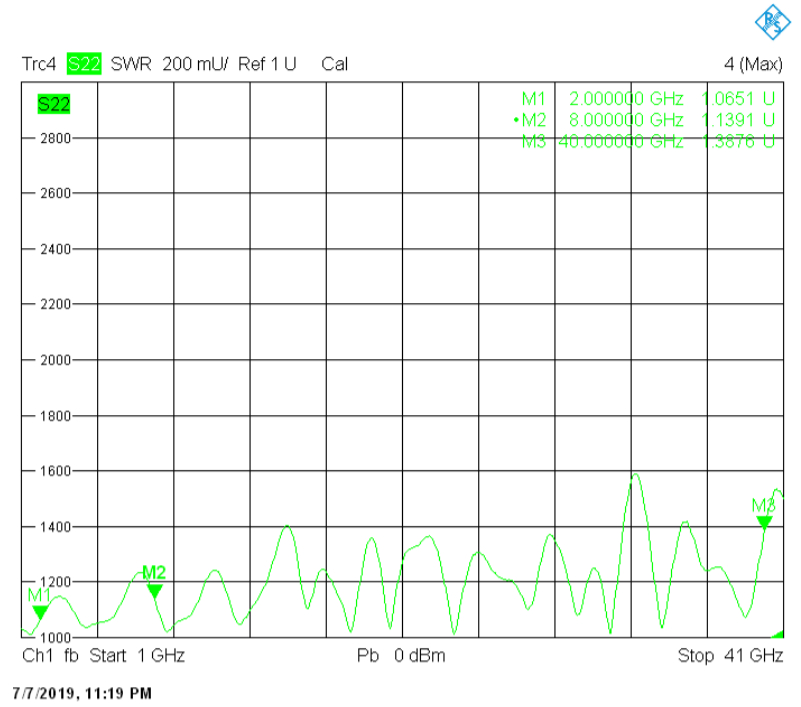


Dimensions are in mm [Inches]  
 Tolerances : Outline drawing: ±0.2 [0.008]  
 Hole: ±0.2 [0.008]

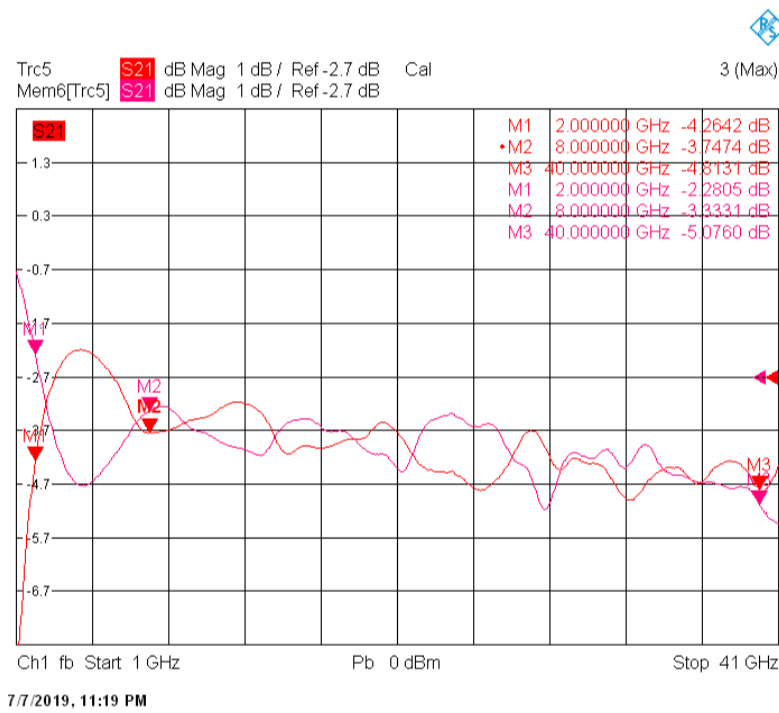
## Input Port VSWR



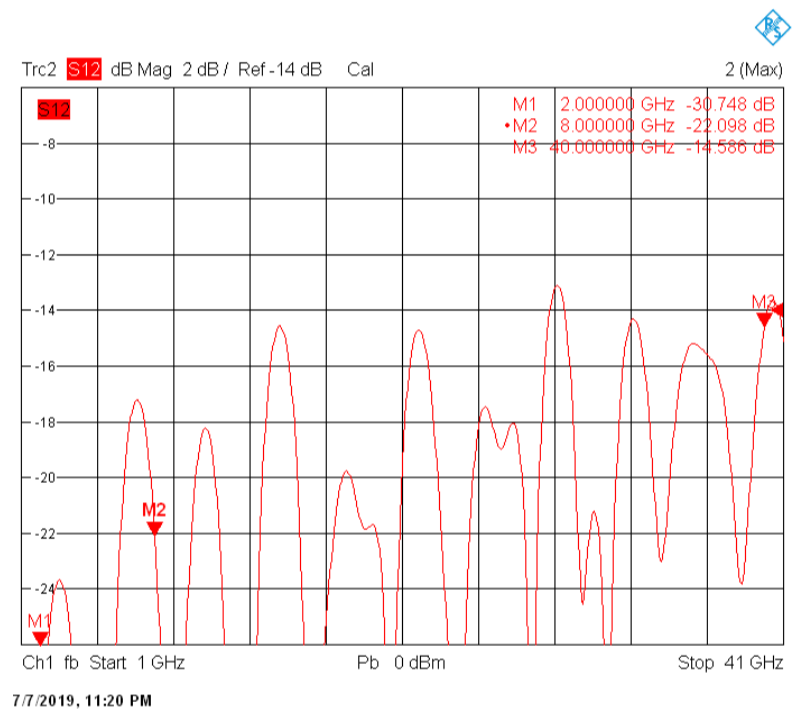
## Output Port VSWR



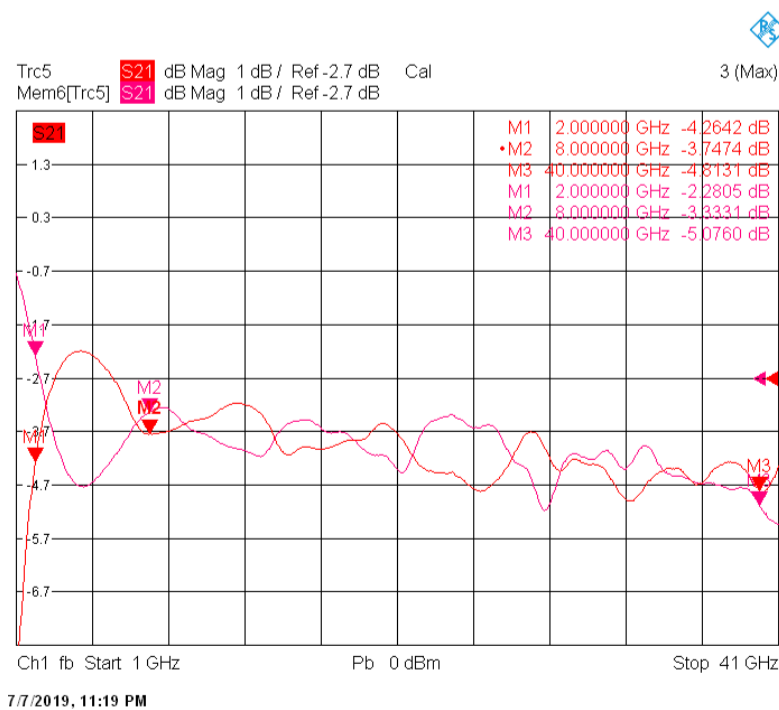
## Insertion Loss



## Isolator



## Amplitude Balance



## Phase Balance

