

## Features

- Low Phase Balance 14dB
- Low Insertion Loss 0.5dB
- Low Amplitude Balance 0.8dB
- RoHS and REACH Compliant
- High Isolation 20dB

## Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Freq. Range	GHz	1.5		2.5
Phase Difference	deg		180	
Insertion Loss	dB			0.5
VSWR				1.3
Amplitude Balance	dB			0.8
Phase Balance	deg			14
Isolation	dB	20		
Input Power (CW)	W			50
Input Power (Peak)	KW			0.5
Impedance	Ohms		50	
Operating Temp.	°C	-40		+70

## Special Requirements

## 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% ;

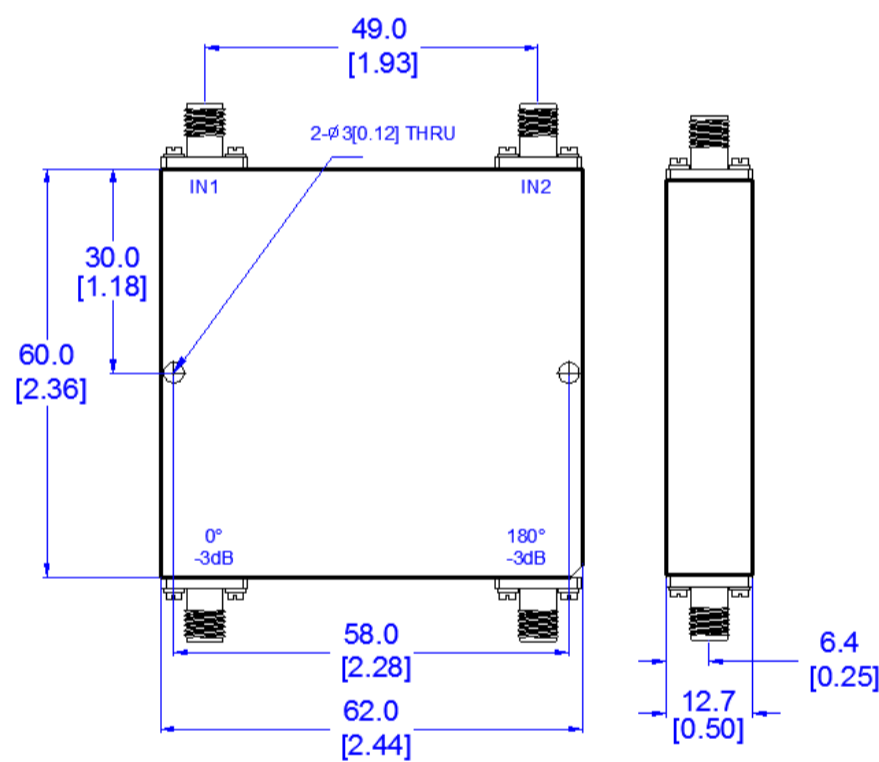
### Mechanical Specifications

Dimension L*W*H	60*49*12.7 mm
Input Connector	SMA-Female Stainless Steel
Output Connectors	SMA-Female Stainless Steel
Weight	135 g
Finishing	[F8YL9F8]
Environment	Paint Black

### Compliance Certifications

RoHS Compliant	Nominal
REACH Compliant	Nominal

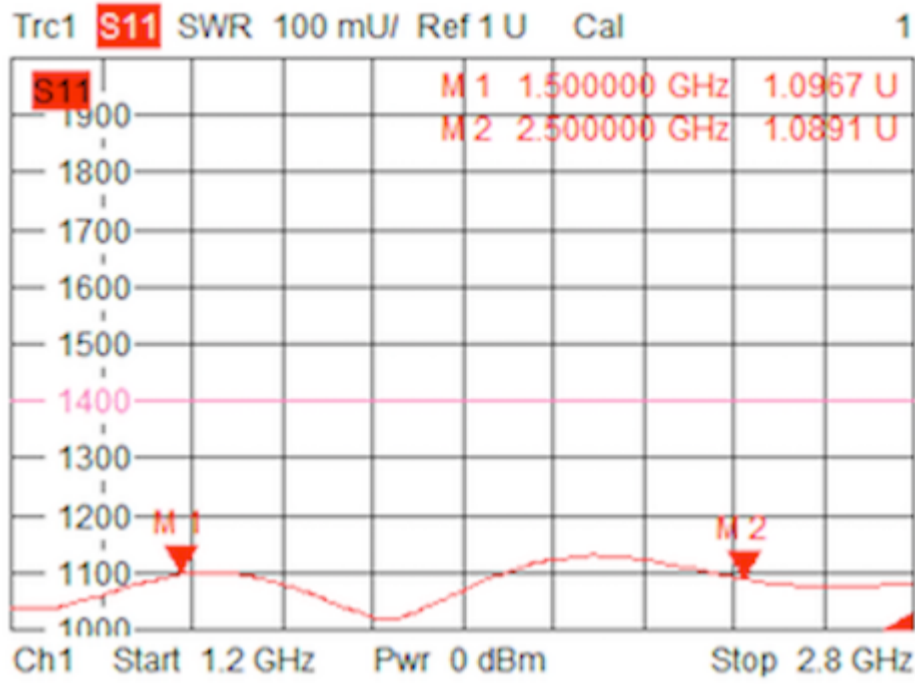
### CAD Drawing



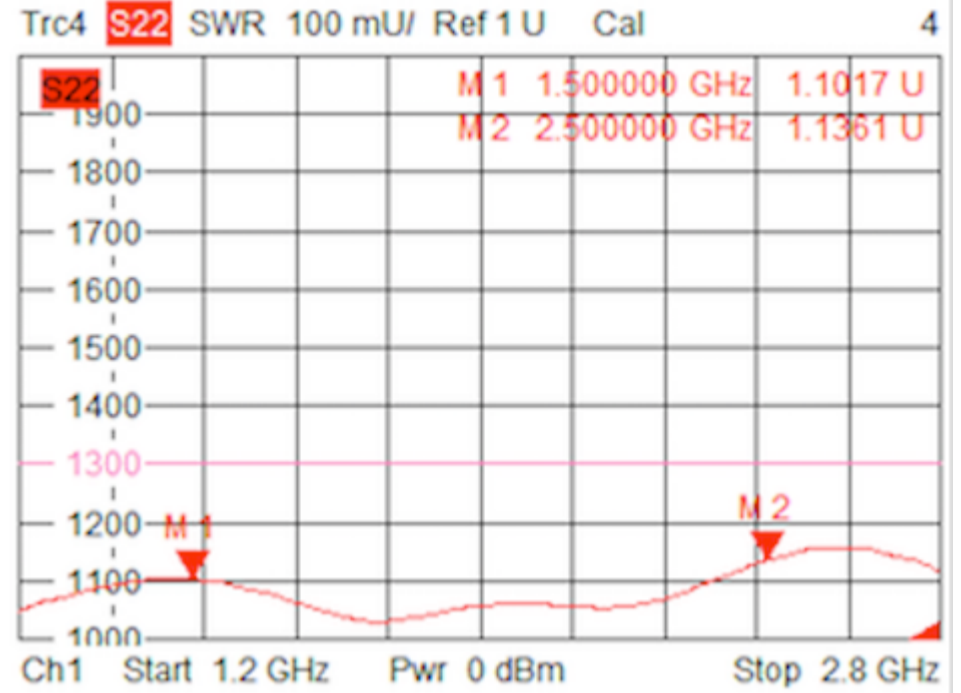
PHC180-006

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

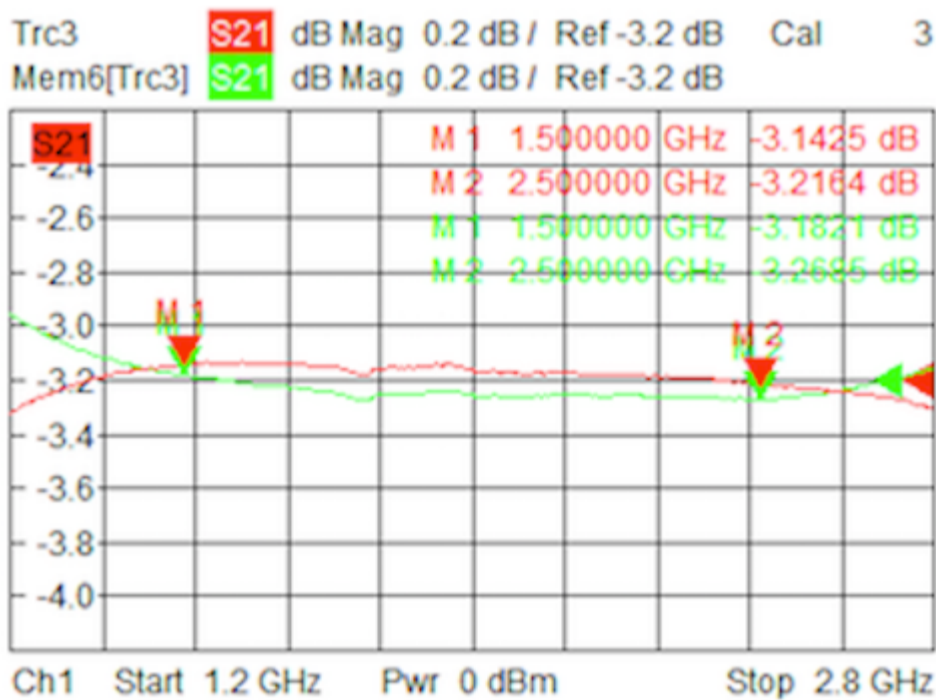
### Input Port VSWR



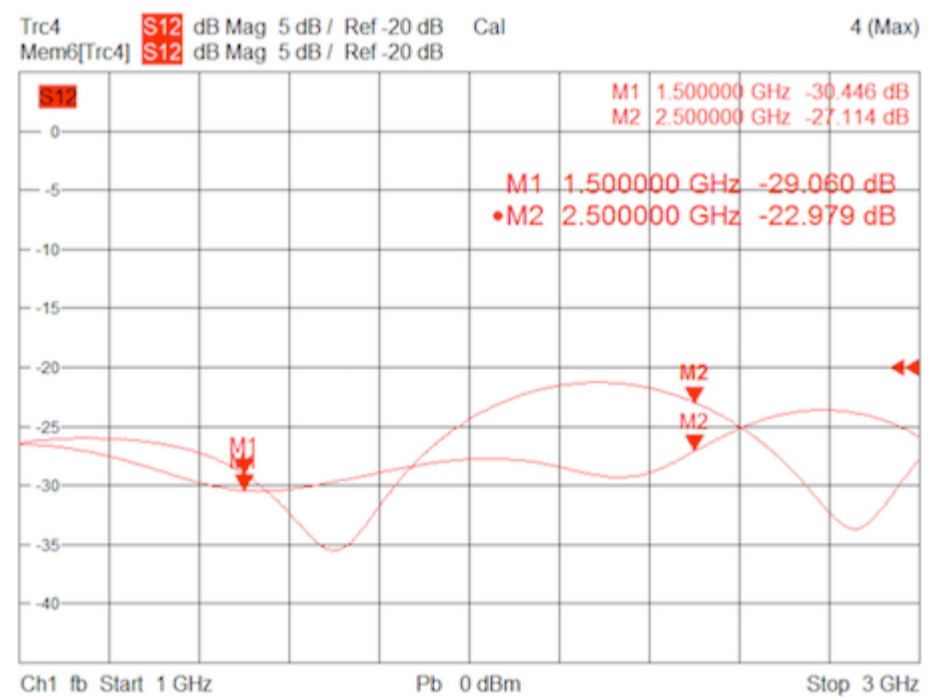
### Output Port VSWR



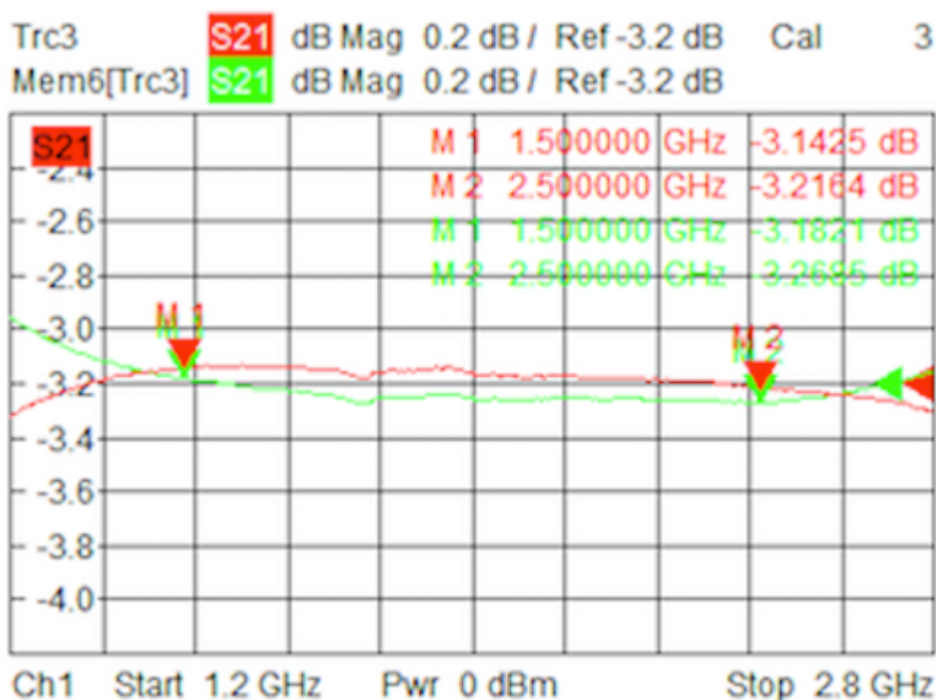
### Insertion Loss



### Isolator



### Amplitude Balance



### Phase Balance

