

## 1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

Directional Coupler

Part No: CDC02000M08000A10

Date: Aug.21<sup>th</sup>.2017

Revision No: Preliminary



**CONCEPT**

## 2. Electrical Specifications

Parameter	Specification	Remark
Frequency Range	2000-8000MHz	
Nominal Coupling	10±1dB	
Flatness	≤±1.0dB	
Insertion loss	≤0.5dB (Exclusive the 0.45dB Coupled Loss)	
VSWR	≤1.20	
Directivity	≥20dB	
Forward Power	50W	
Impedance	50Ω	

## 3. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	43.0x15.0x11.0mm	
Connector Type	SMA-Female	
Surface Finish	Grey Painting	

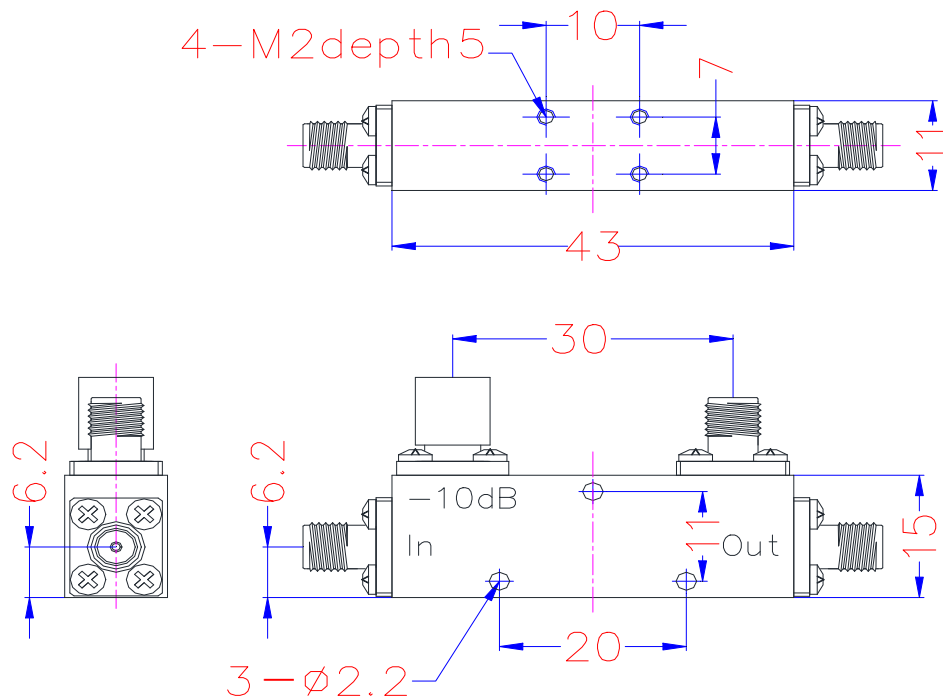
## 4. Temperature Specifications

Parameter	Specifications	Remark
Operational Temperature	-40 to +80 °C	
Storage Temperature	-55 to +85 °C	

5. Outline Drawing ( $\pm 0.3\text{mm}$ )



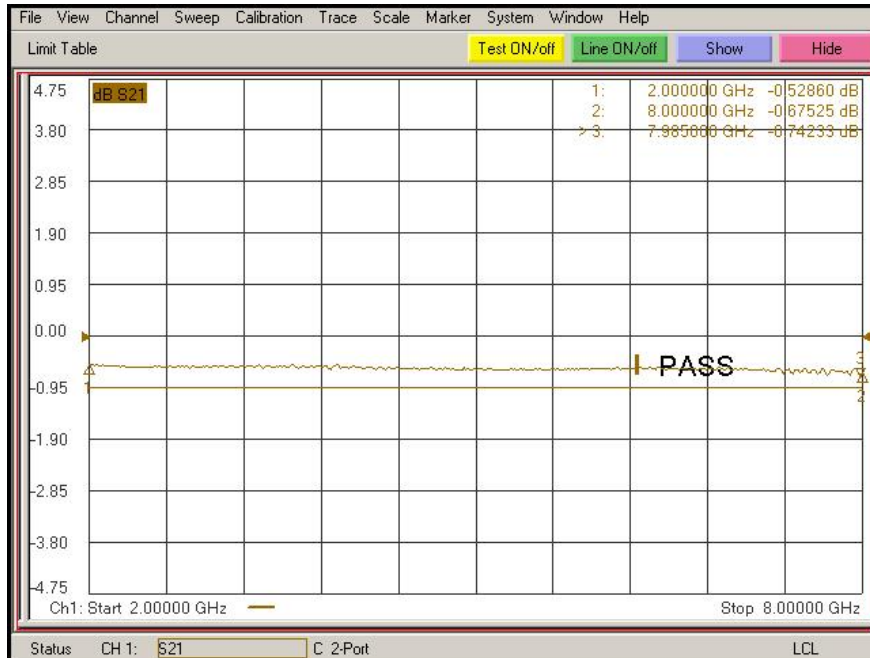
CONCEPT



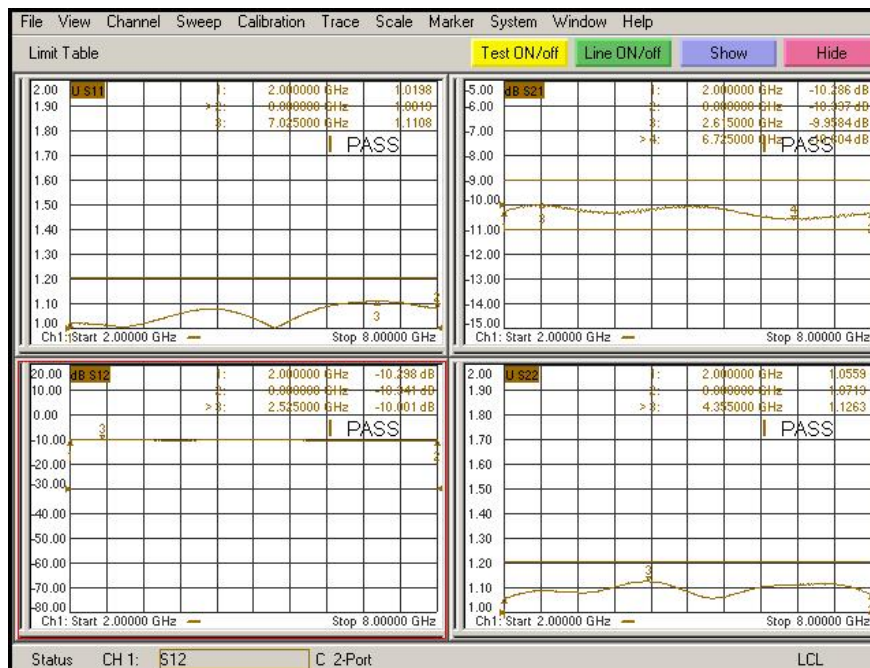
## 6. Test Curves



### Insertion Loss



### Coupling Flatness VSWR





### Directivity

