

## 12 Ways RF Microstrip Power Divider

### Features

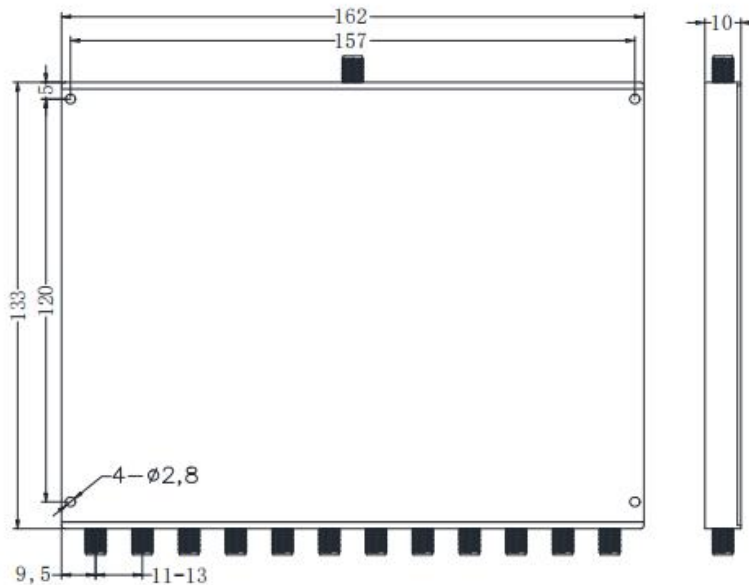
- ◆ High Isolation between Output Ports, Low VSWR, Small Size
- ◆ Used in Aerospace and Defense, Wireless and Wireline Communications Applications
- ◆ RoHS Compliant

**Part Number: KTPD-M0560-12-SMAF**

### Electrical Specifications

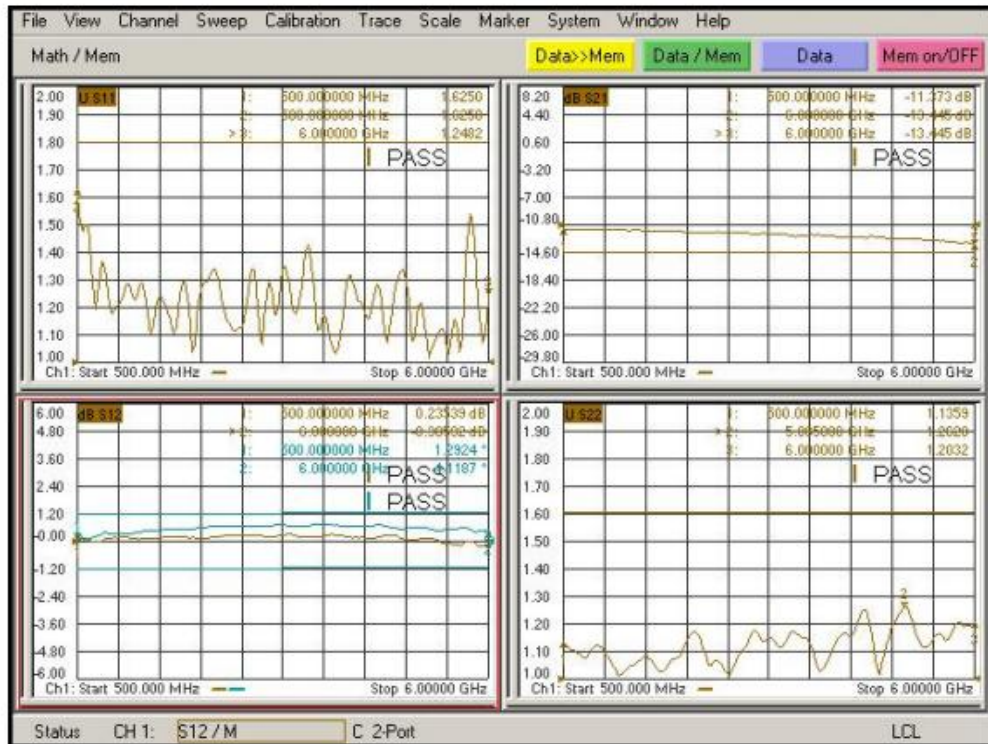
<b>Part Number</b>	KTPD-M0560-12-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.5-6.0GHz	
<b>Insertion Loss</b>	≤3.0dB	
<b>Isolation</b>	≥16dB	
<b>VSWR</b>	Input ≤1.80	Output ≤1.60
<b>Phase Balance</b>	≤ ±8 degree	
<b>Amplitude Balance</b>	≤ ±0.8dB	
<b>Power Handling</b>	20W (Forward Power)	1W (Reverse Power)
<b>Connector</b>	SMA - Female	
<b>Operating Temperature</b>	-40 °C ~ +80 °C	
<b>Storage Temperature</b>	-45 °C ~ +85 °C	
<b>Body Dimension</b>	162x133x10 mm	
<b>Surface Finish</b>	Grey Painting	

**Outline Drawing (mm)** (±0.5mm Tol.)

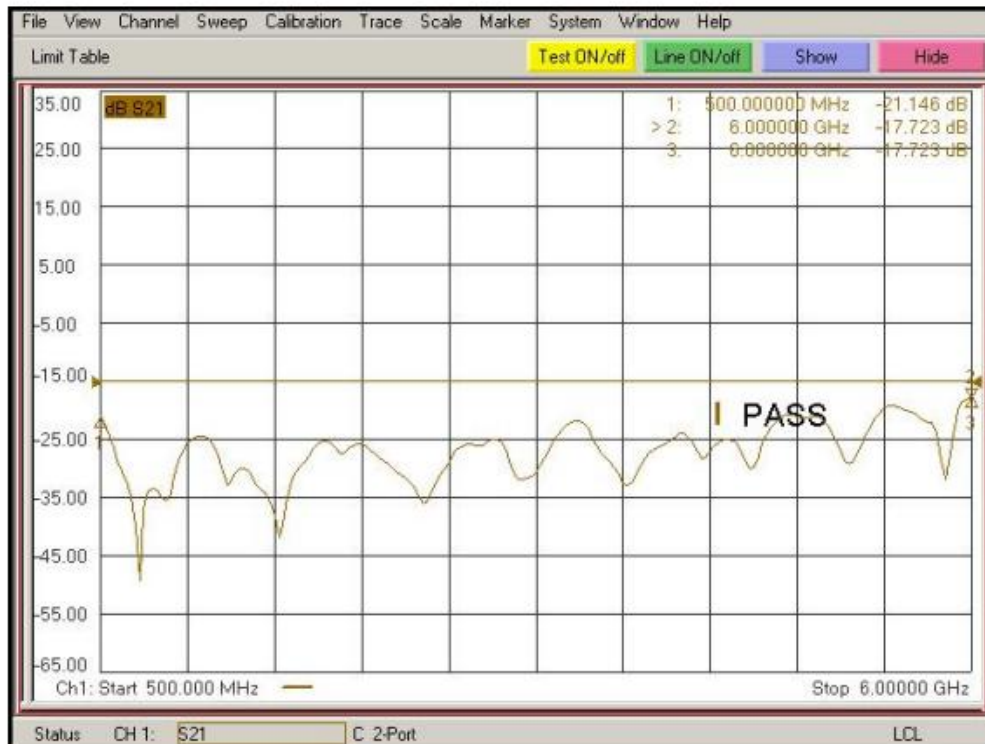


## Test Curves

### VSWR , I.L , Amplitude , Phase Balance



### Isolation



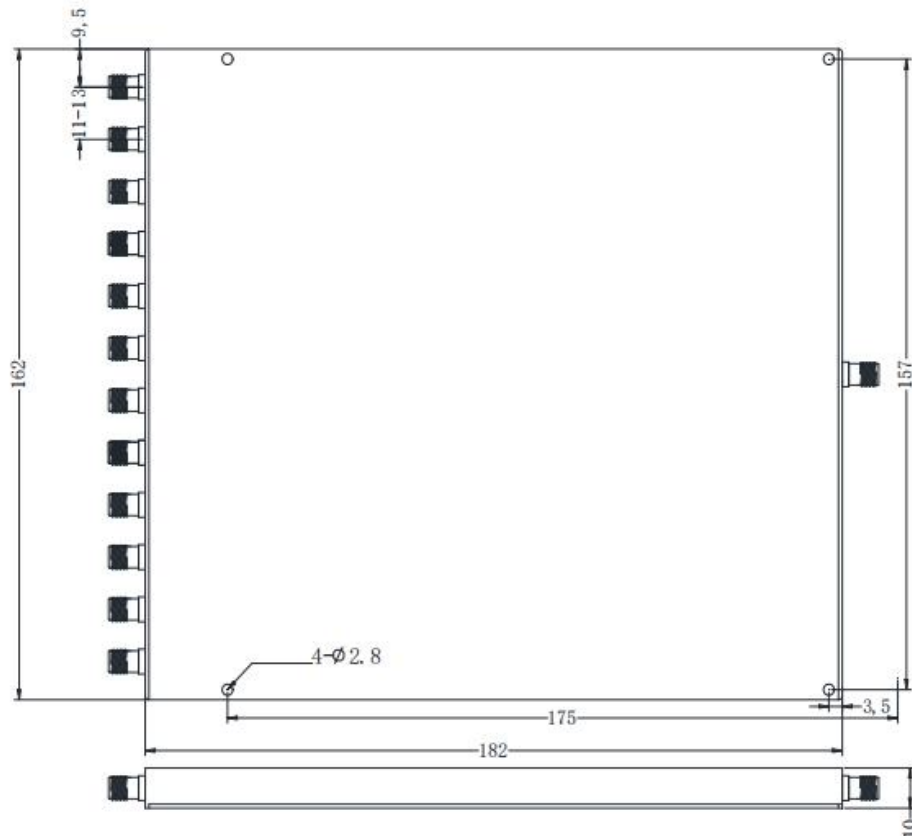
## 12 Ways RF Microstrip Power Divider

Part Number: KTPD-M0580-12-SMAF

### Electrical Specifications

<b>Part Number</b>	KTPD-M0580-12-SMAF
<b>Impedance</b>	50Ω
<b>Frequency Range</b>	0.5-8.0GHz
<b>Insertion Loss</b>	≤3.5dB
<b>Isolation</b>	≥15dB
<b>VSWR</b>	Input ≤2.0      Output ≤1.60
<b>Phase Balance</b>	≤ ±10 degree
<b>Amplitude Balance</b>	≤ ±1.0dB
<b>Power Handling</b>	20W (Forward Power)    1W (Reverse Power)
<b>Connector</b>	SMA - Female
<b>Operating Temperature</b>	-40 °C ~ +80 °C
<b>Storage Temperature</b>	-45 °C ~ +85 °C
<b>Body Dimension</b>	182x162x10 mm
<b>Surface Finish</b>	Grey Painting

### Outline Drawing (mm) (±0.5mm Tol.)



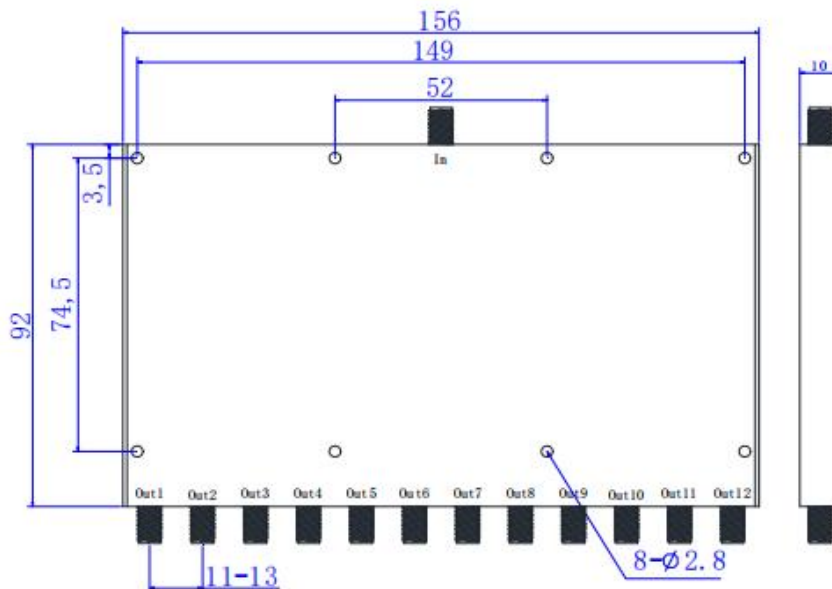
## 12 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-12-SMAF

### Electrical Specifications

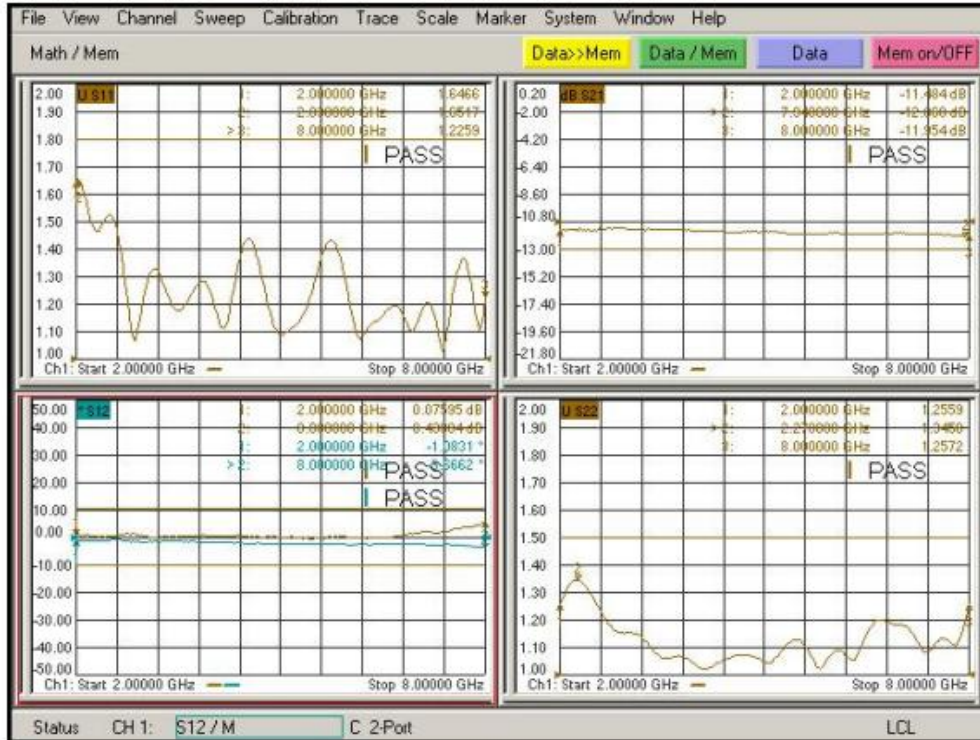
Part Number	KTPD-M2080-12-SMAF	
Impedance	50Ω	
Frequency Range	2.0-8.0GHz	
Insertion Loss	≤2.0dB	
Isolation	≥18dB	
VSWR	Input ≤1.70	Output ≤1.40
Phase Balance	≤ ±8 degree	
Amplitude Balance	≤ ±0.8dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	156x92x10 mm	
Surface Finish	Grey Painting	

### Outline Drawing (mm) (±0.5mm Tol.)



## Test Curves

### VSWR , I.L , Amplitude , Phase Balance



### Isolation



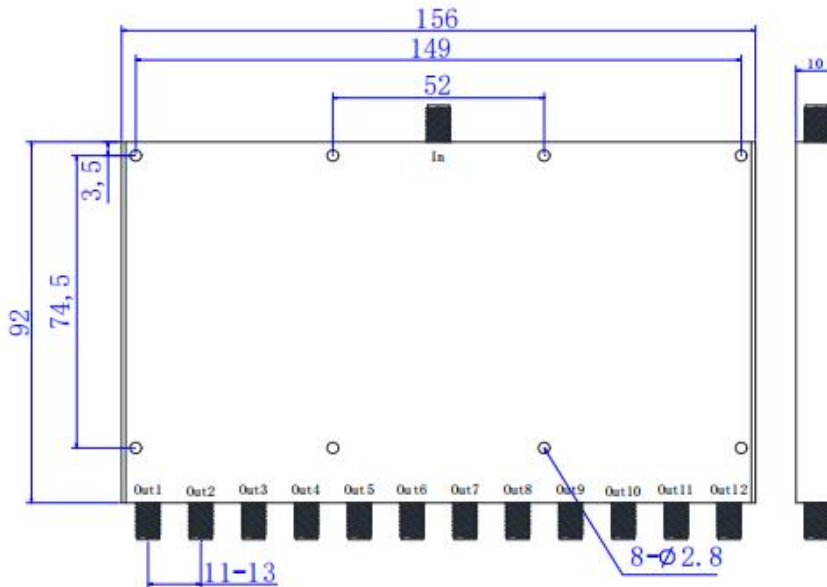
## 12 Ways RF Microstrip Power Divider

Part Number: KTPD-M40100-12-SMAF

### Electrical Specifications

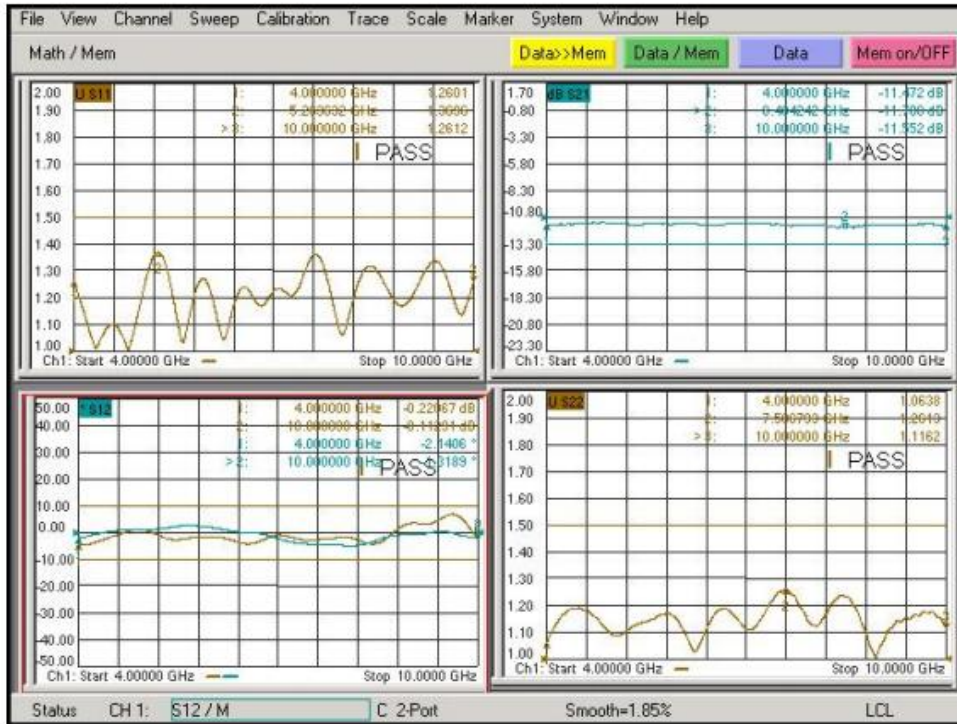
Part Number	KTPD-M40100-12-SMAF	
Impedance	50Ω	
Frequency Range	4.0-10.0GHz	
Insertion Loss	≤2.2dB	
Isolation	≥16dB	
VSWR	Input ≤1.50	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±0.5dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	156x92x10 mm	
Surface Finish	Grey Painting	

### Outline Drawing (mm) (±0.5mm Tol.)

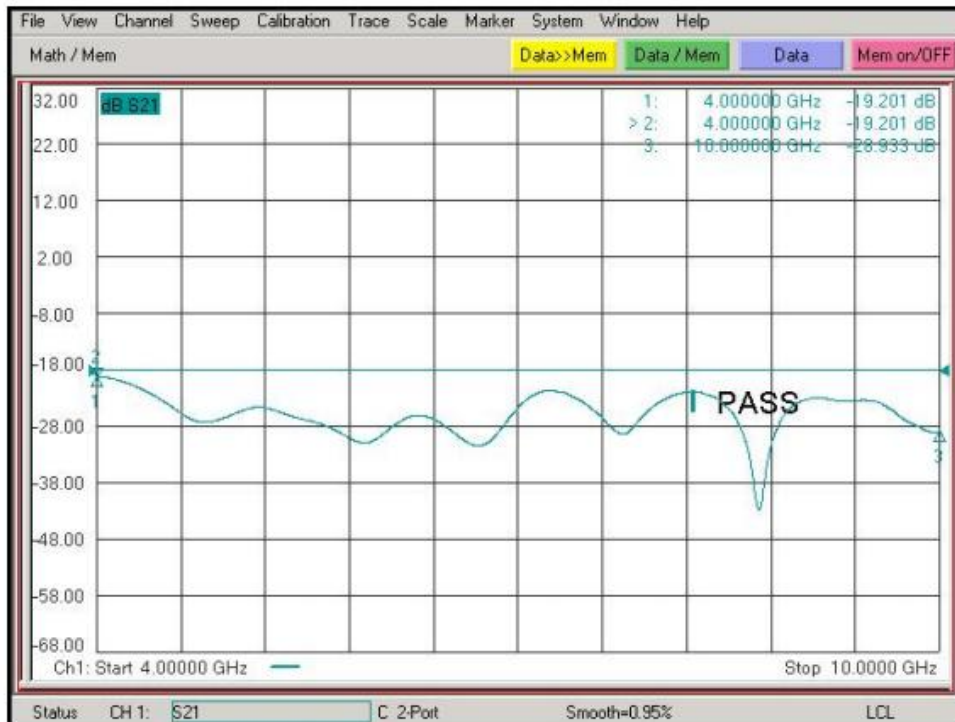


## Test Curves

### VSWR , I.L , Amplitude , Phase Balance



### Isolation



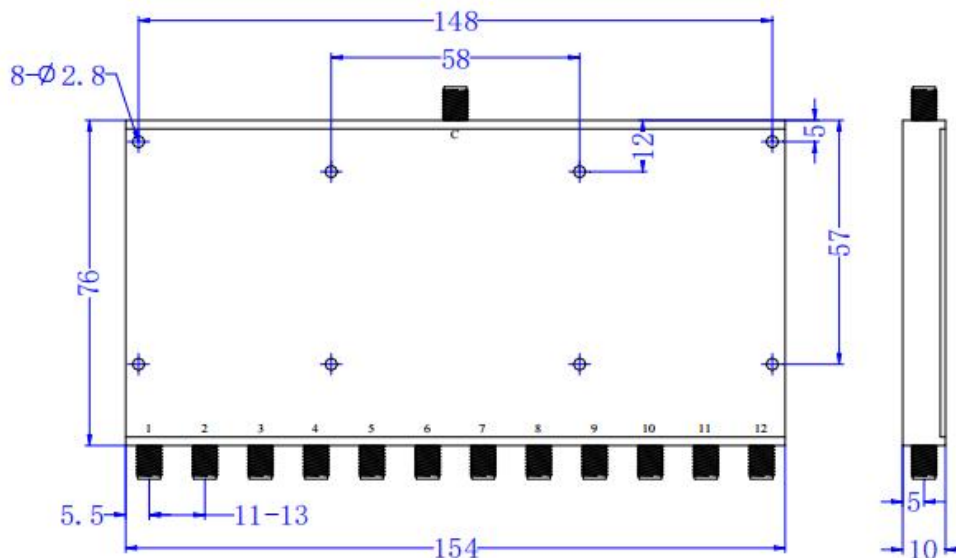
## 12 Ways RF Microstrip Power Divider

Part Number: KTPD-M60180-12-SMAF

### Electrical Specifications

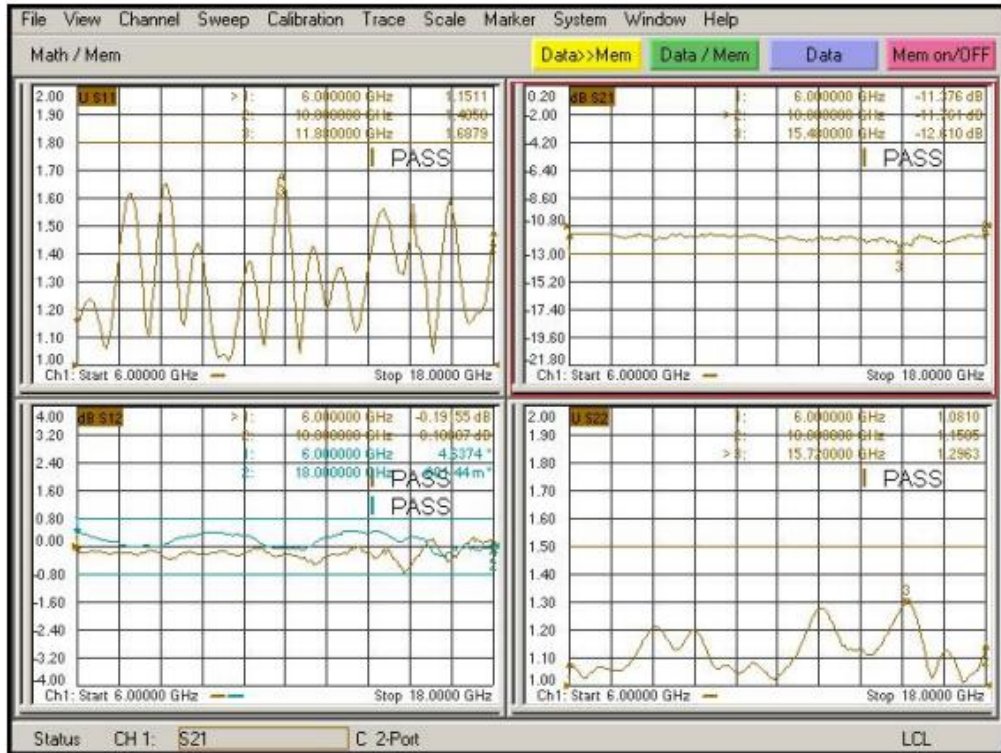
Part Number	KTPD-M60180-12-SMAF	
Impedance	50Ω	
Frequency Range	6.0-18.0GHz	
Insertion Loss	≤2.2dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±0.8dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	154x76x10 mm	
Surface Finish	Grey Painting	

### Outline Drawing (mm) (±0.5mm Tol.)



## Test Curves

### VSWR , I.L , Amplitude , Phase Balance



### Isolation

