

## 8 Ways RF Microstrip Power Divider

### Features

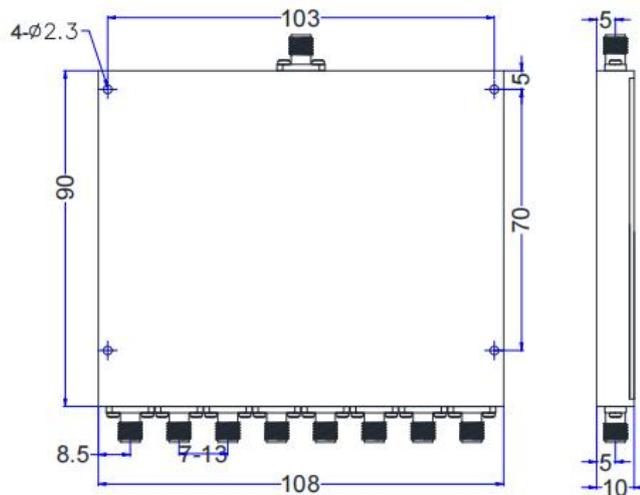
- ◆ High Isolation, Low Insertion Loss, Excellent Phase Balance and Amplitude Balance
- ◆ Widely Used in Wireless Systems to Divide Power across Equally cross the System
- ◆ RoHS Compliant

**Part Number: KTPD-M0540-8-SMAF**

### Electrical Specifications

<b>Part Number</b>	KTPD-M0540-8-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.5-4.0GHz	
<b>Insertion Loss</b>	≤1.8dB	
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.50	Output ≤1.40
<b>Phase Balance</b>	≤ ±5 degree	
<b>Amplitude Balance</b>	≤ ±0.5dB	
<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>	108x90x10 mm	
<b>Surface Finish</b>	Grey Painting	

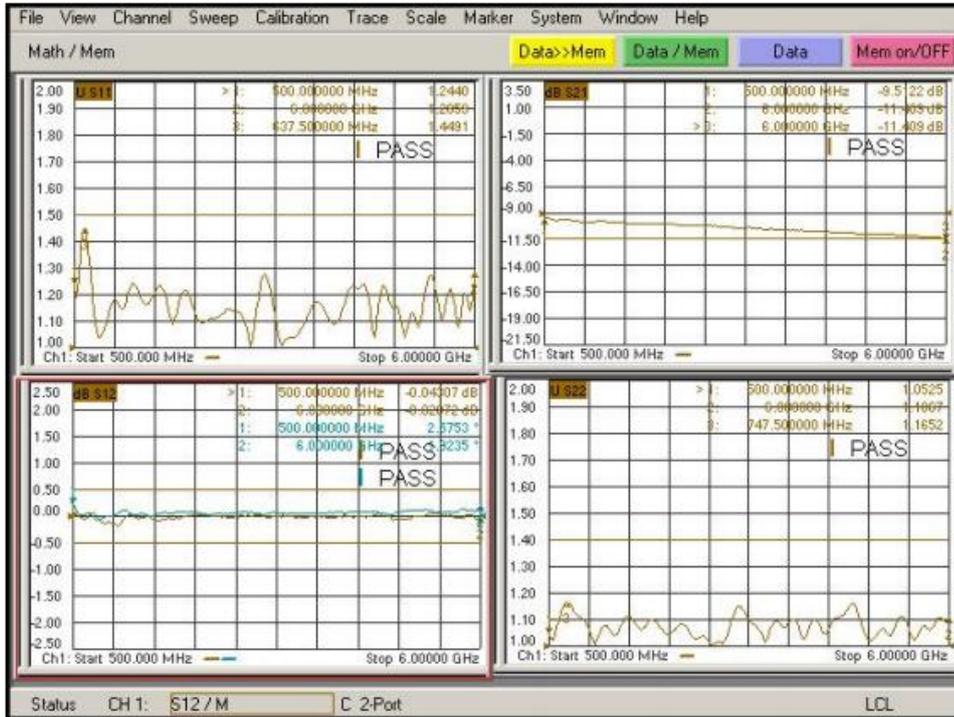
**Outline Drawing (mm)** (±0.5mm Tol.)



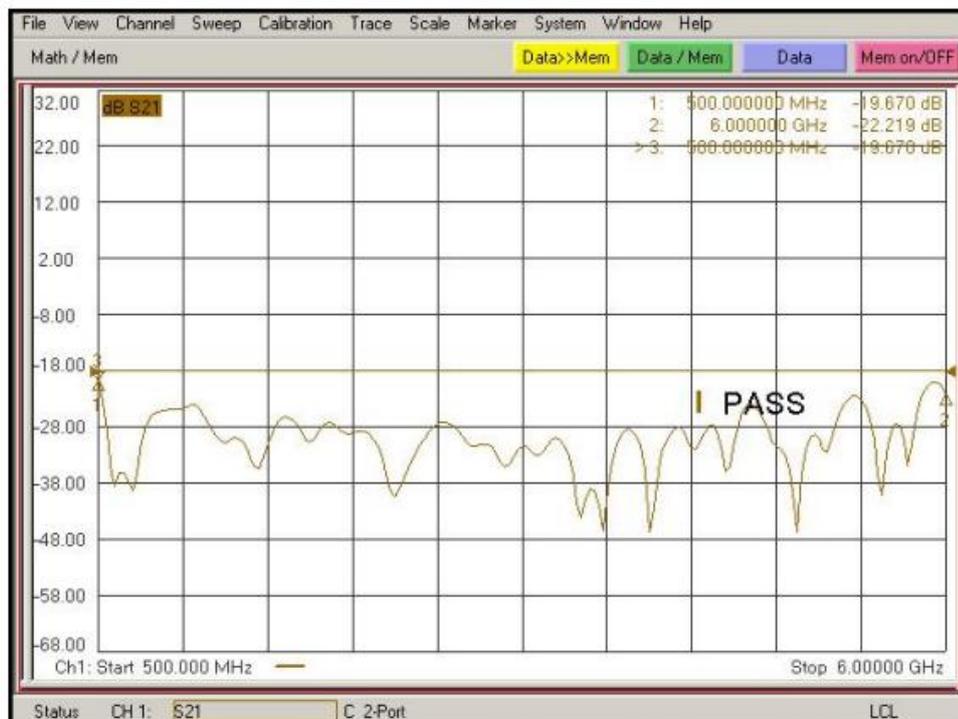


## Test Curves

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



### Isolation



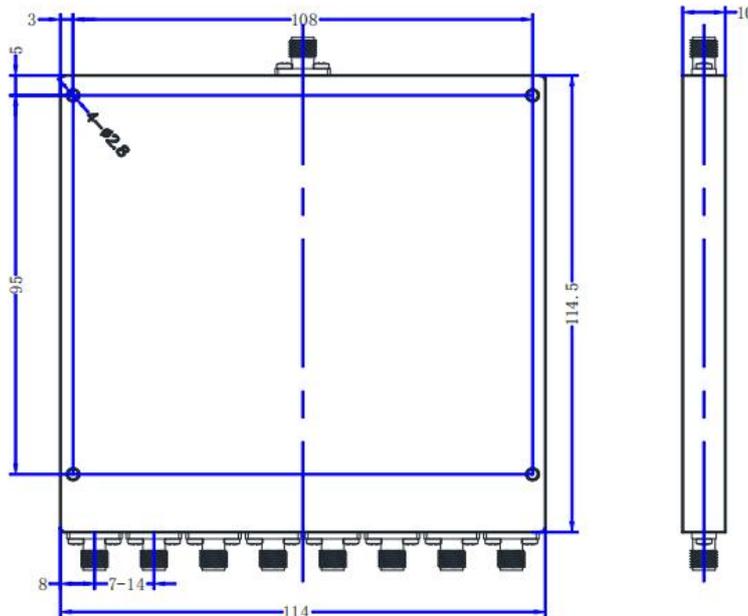
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M0580-8-SMAF

### Electrical Specifications

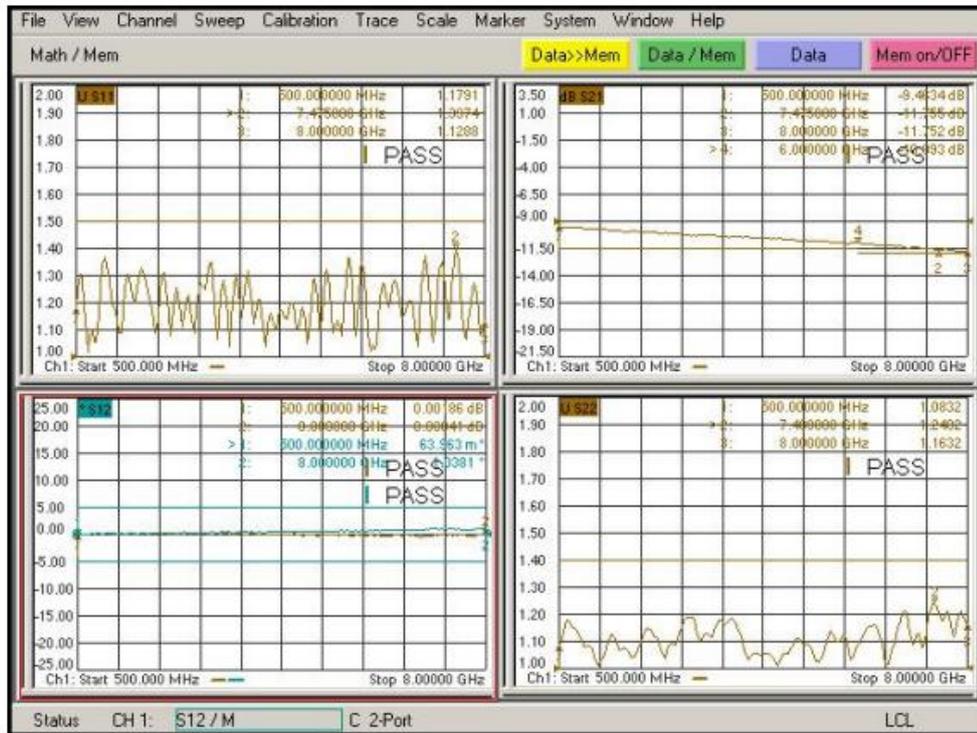
<b>Part Number</b>	KTPD-M0580-8-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.5-8.0GHz	
<b>Insertion Loss</b>	≤2.5dB from 0.5-6.0GHz	≤3.0dB from 6.0-8.0GHz
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.50	Output ≤1.40
<b>Phase Balance</b>	≤ ±5 degree	
<b>Amplitude Balance</b>	≤ ±0.5dB	
<b>Power 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>	114.5x114x10 mm	
<b>Surface Finish</b>	Grey Painting	

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

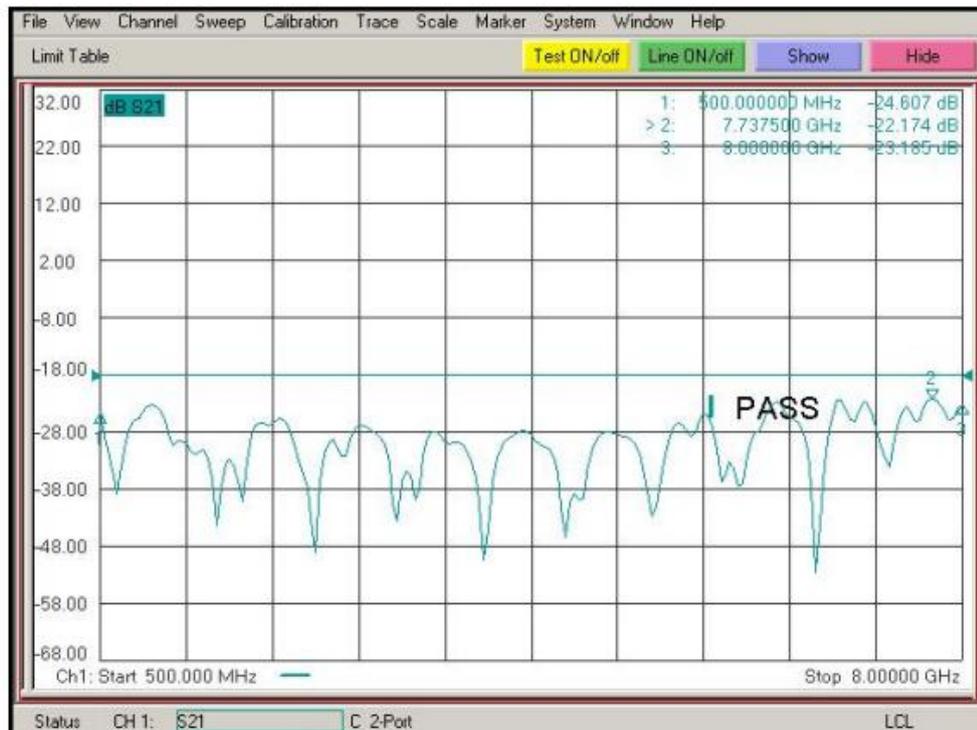


## Test Curves

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



### Isolation



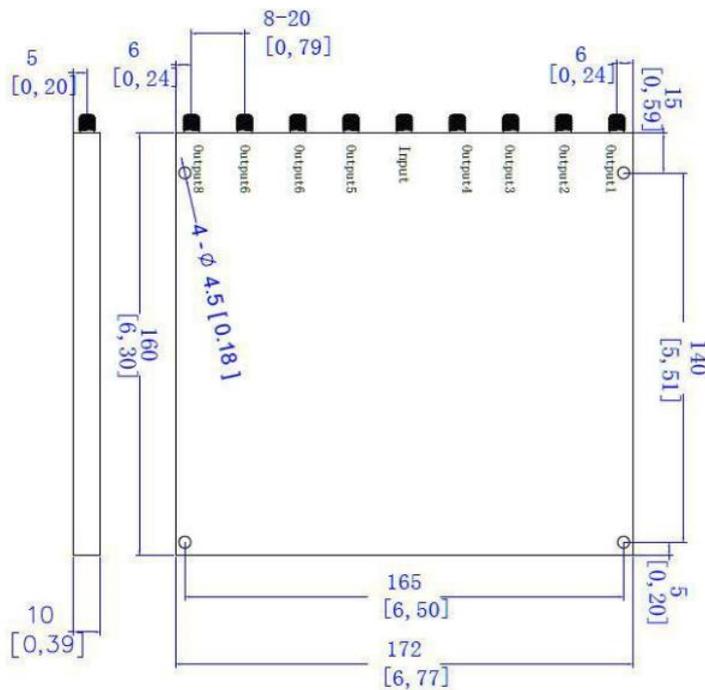
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M05180-8-SMAF

### Electrical Specifications

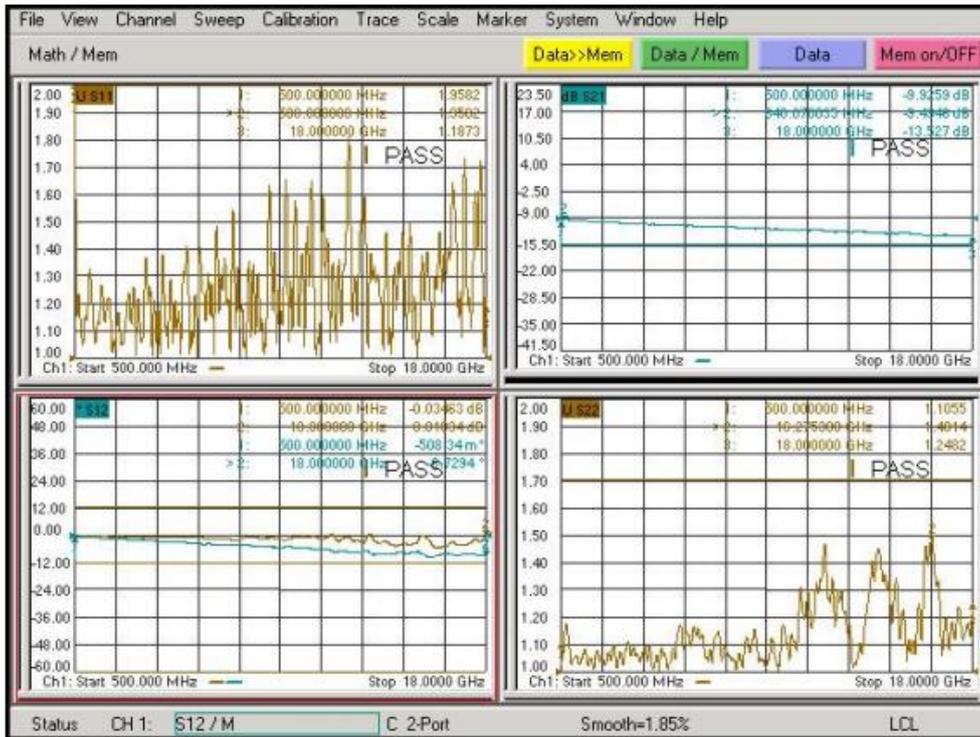
<b>Part Number</b>	KTPD-M05180-8-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.5-18.0GHz	
<b>Insertion Loss</b>	≤6.0dB	
<b>Isolation</b>	≥13dB	
<b>VSWR</b>	Input ≤2.00	Output ≤1.70
<b>Phase Balance</b>	≤ ±12 degree	
<b>Amplitude Balance</b>	≤ ±0.8dB	
<b>Power Handling</b>	30W (Forward Power)	
<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>	172x160x10 mm	
<b>Surface Finish</b>	Grey Painting	

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

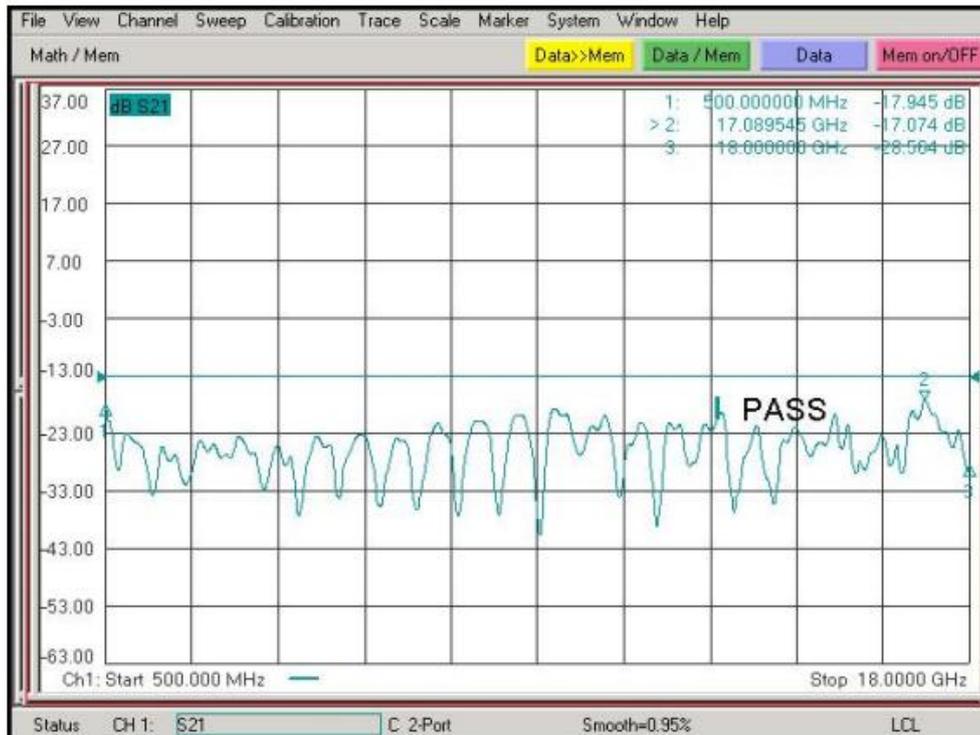


## Test Curves

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



### Isolation



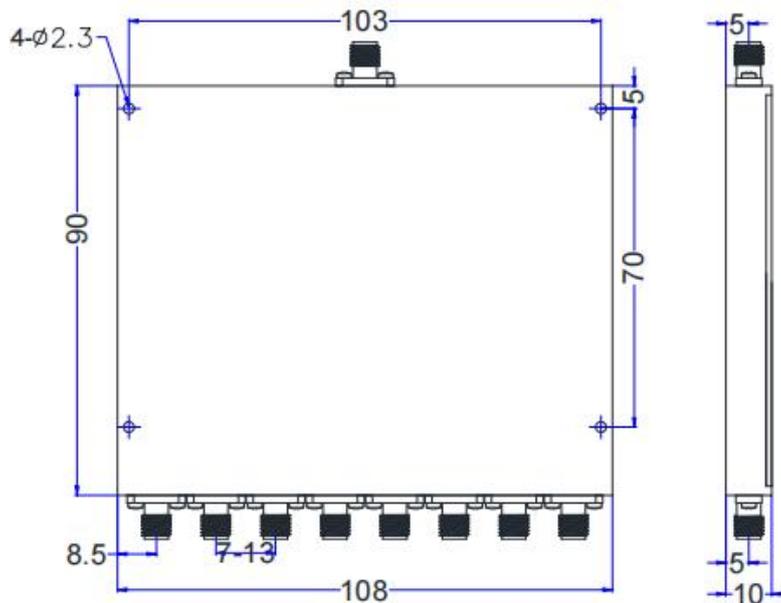
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M1040-8-SMAF

### Electrical Specifications

Part Number	KTPD-M1040-8-SMAF	
Impedance	50Ω	
Frequency Range	1.0-4.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥18dB	
VSWR	Input ≤1.50	Output ≤1.40
Phase Balance	≤ ±5 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	108x90x10 mm	
Surface Finish	Grey Painting	

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



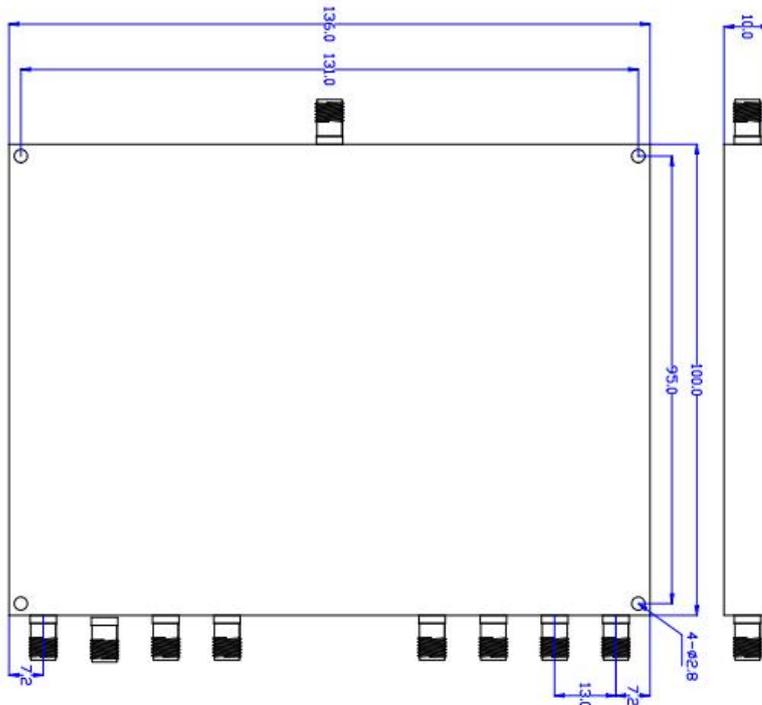
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M10124-8-SMAF

### Electrical Specifications

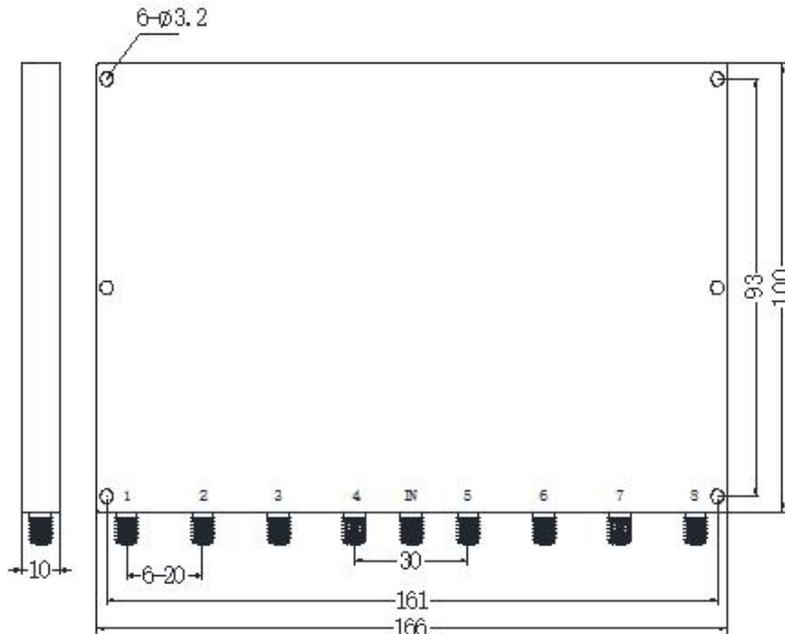
Part Number	KTPD-M10124-8-SMAF	
Impedance	50Ω	
Frequency Range	1.0-12.4GHz	
Insertion Loss	≤3.5dB	
Isolation	≥15dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±0.8dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	136x100x10 mm	
Surface Finish	Grey Painting	

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



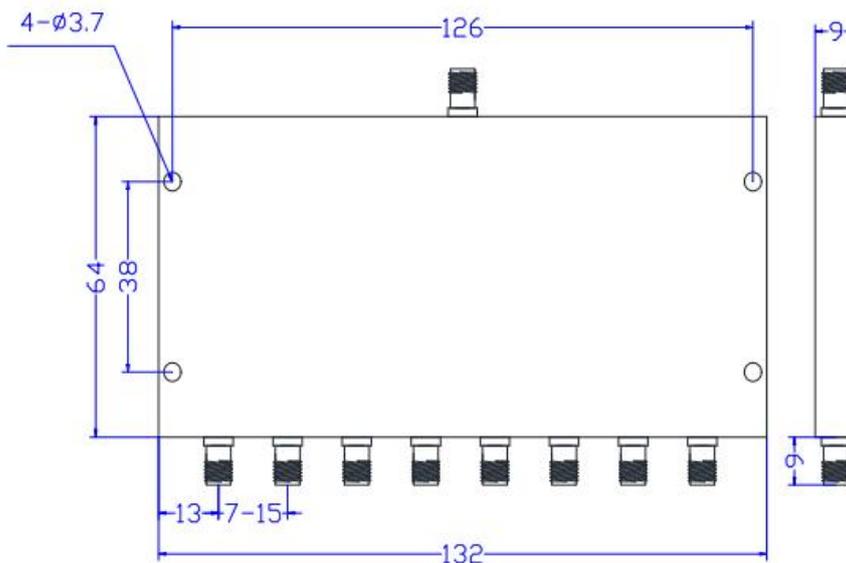
**8 Ways RF Microstrip Power Divider**
**Part Number: KTPD-M10180-8-SMAF**
**Electrical Specifications**

<b>Part Number</b>	KTPD-M10180-8-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	1.0-18.0GHz	
<b>Insertion Loss</b>	≤4.0dB	
<b>Isolation</b>	≥15dB	
<b>VSWR</b>	Input ≤2.00	Output ≤1.50
<b>Phase Balance</b>	≤ ±10 degree	
<b>Amplitude Balance</b>	≤ ±0.5dB	
<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>	166x100x10 mm	
<b>Surface Finish</b>	Grey Painting	

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


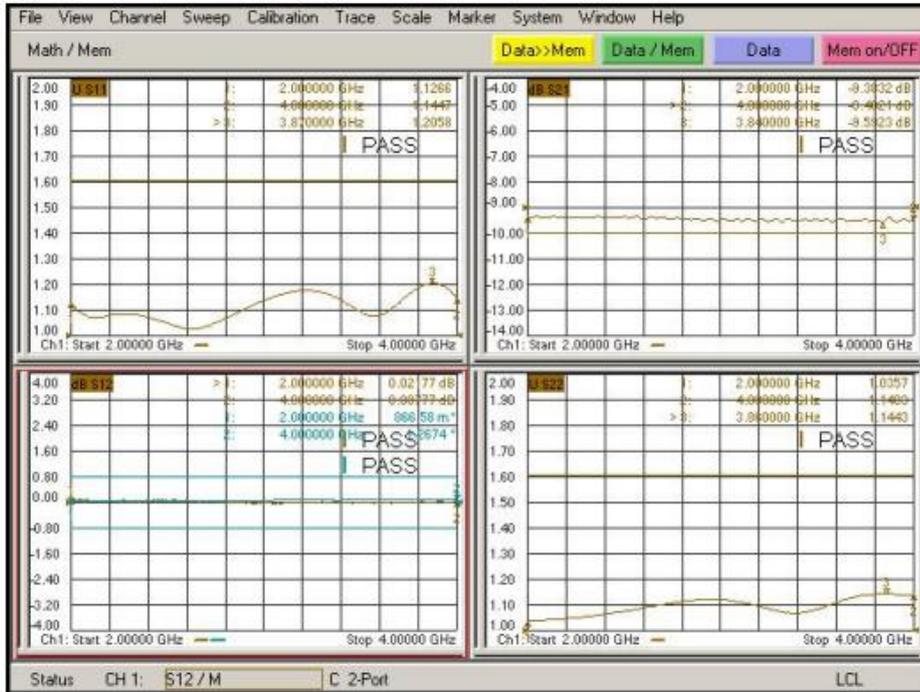
**8 Ways RF Microstrip Power Divider**
**Part Number: KTPD-M2040-8-SMAF**
**Electrical Specifications**

<b>Part Number</b>	KTPD-M2040-8-SMAF
<b>Impedance</b>	50Ω
<b>Frequency Range</b>	2.0-4.0GHz
<b>Insertion Loss</b>	≤1.0dB
<b>Isolation</b>	≥20dB
<b>VSWR</b>	≤1.50
<b>Phase Balance</b>	≤ ±4 degree
<b>Amplitude Balance</b>	≤ ±0.4dB
<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>	132x64x9 mm
<b>Surface Finish</b>	Grey Painting

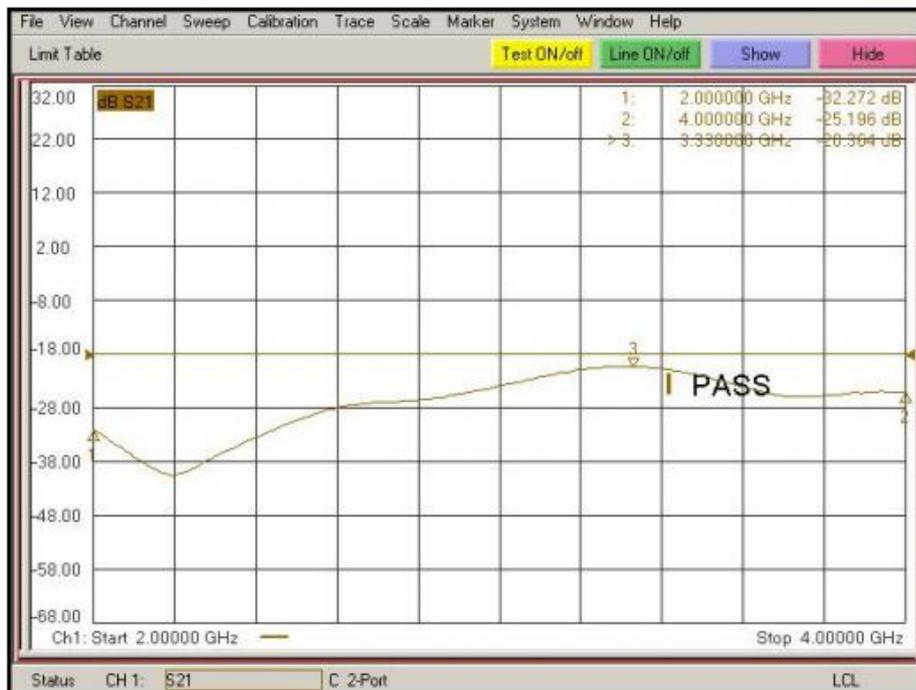
**Outline Drawing (mm) (±0.5mm Tol.)**


## Test Curves

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



### Isolation



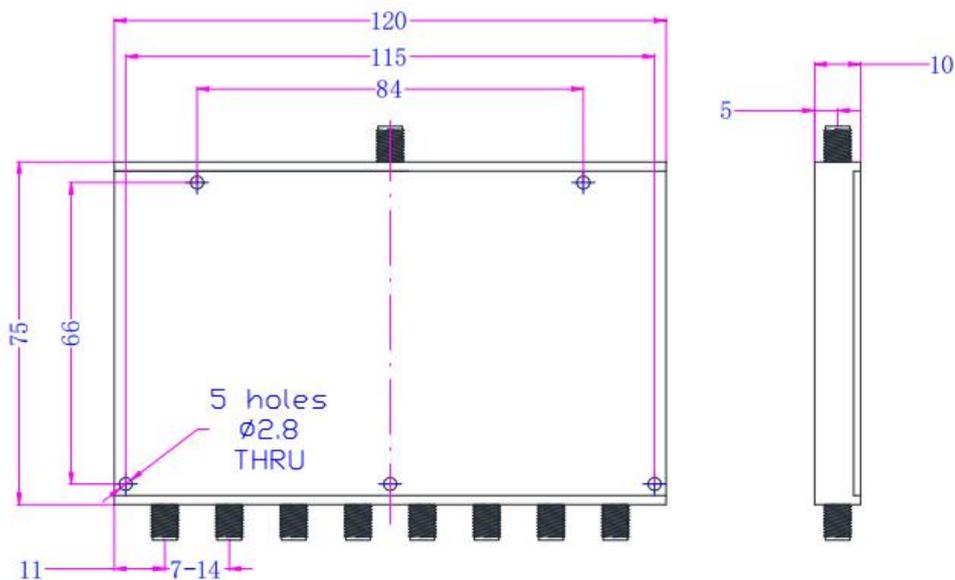
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-8-SMAF

### Electrical Specifications

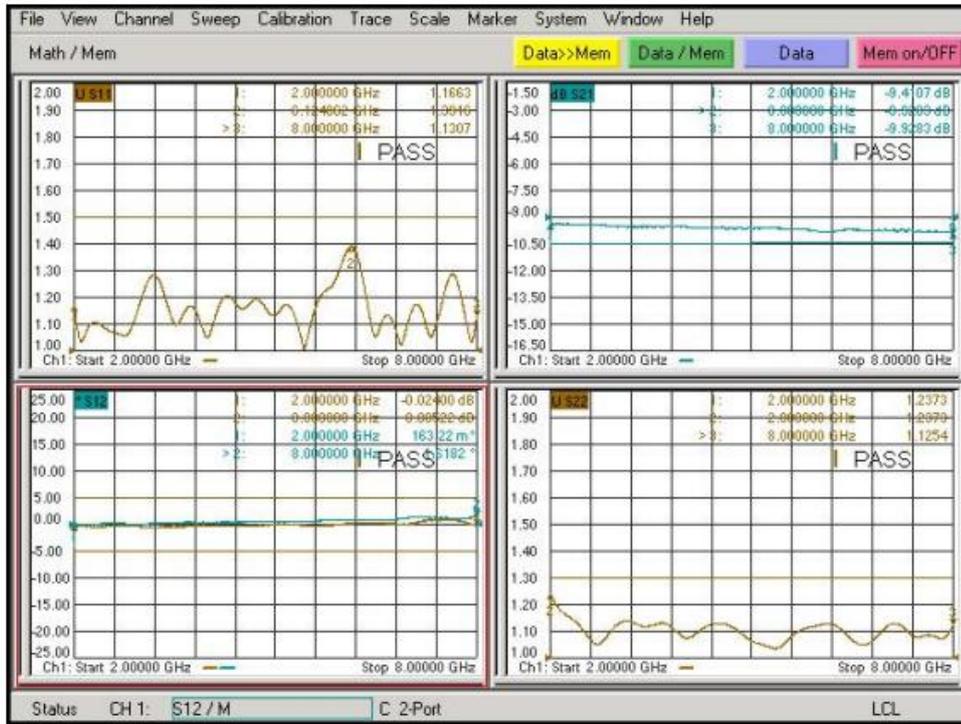
Part Number	KTPD-M2080-8-SMAF	
Impedance	50Ω	
Frequency Range	2.0-8.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥18dB	
VSWR	Input ≤1.50	Output ≤1.30
Phase Balance	≤ ±5 degree	
Amplitude Balance	≤ ±0.5dB	
Power Handling	30W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	120x75x10 mm	
Surface Finish	Grey Painting	

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



## Test Curves

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



### Isolation



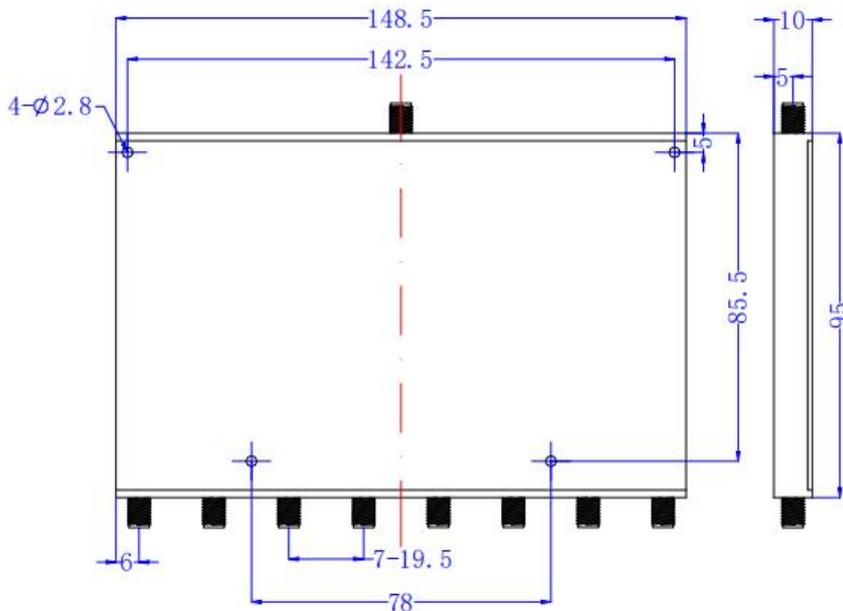
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M20180-8-SMAF

### Electrical Specifications

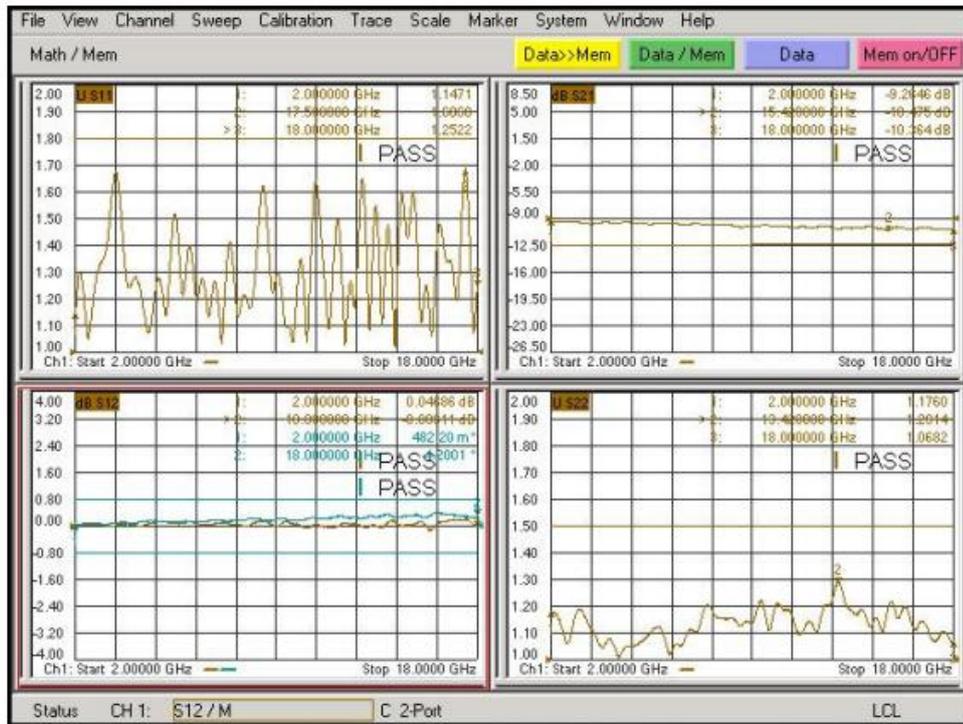
Part Number	KTPD-M20180-8-SMAF	
Impedance	50Ω	
Frequency Range	2.0-18.0GHz	
Insertion Loss	≤3.0dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±0.8dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	148.5x95x10 mm	
Surface Finish	Grey Painting	

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

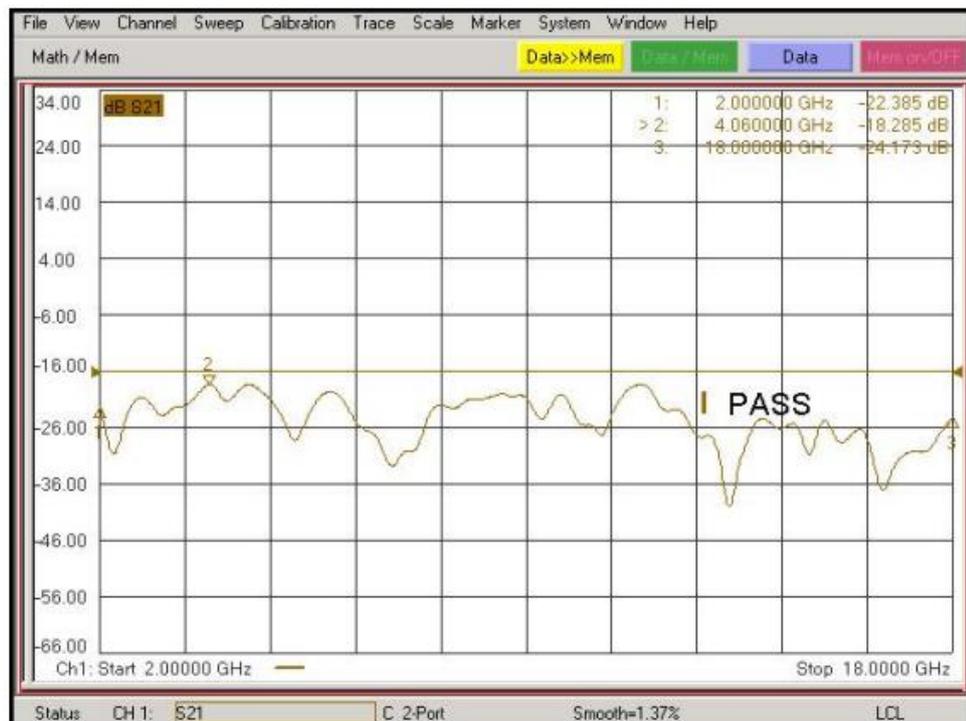


## Test Curves

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



### Isolation



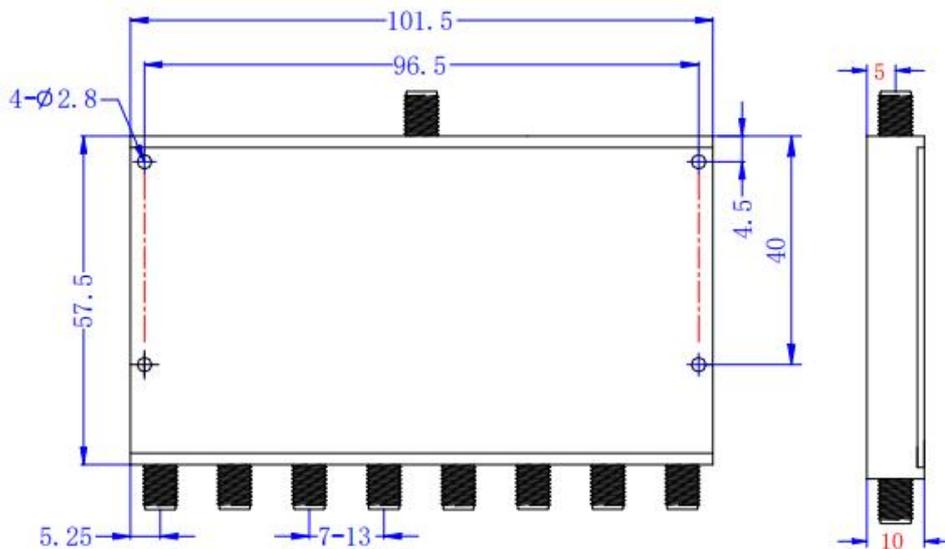
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M60180-8-SMAF

### Electrical Specifications

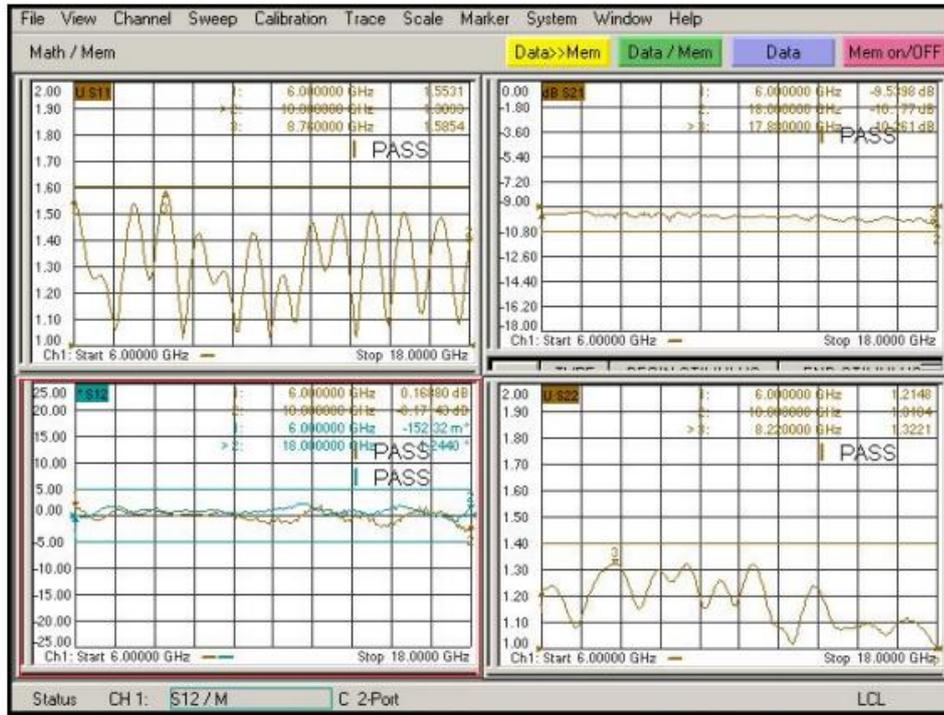
Part Number	KTPD-M60180-8-SMAF	
Impedance	50Ω	
Frequency Range	6.0-18.0GHz	
Insertion Loss	≤1.8dB	
Isolation	≥18dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±8 degree	
Amplitude Balance	≤ ±0.5dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	101.5x57.5x10 mm	
Surface Finish	Grey Painting	

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

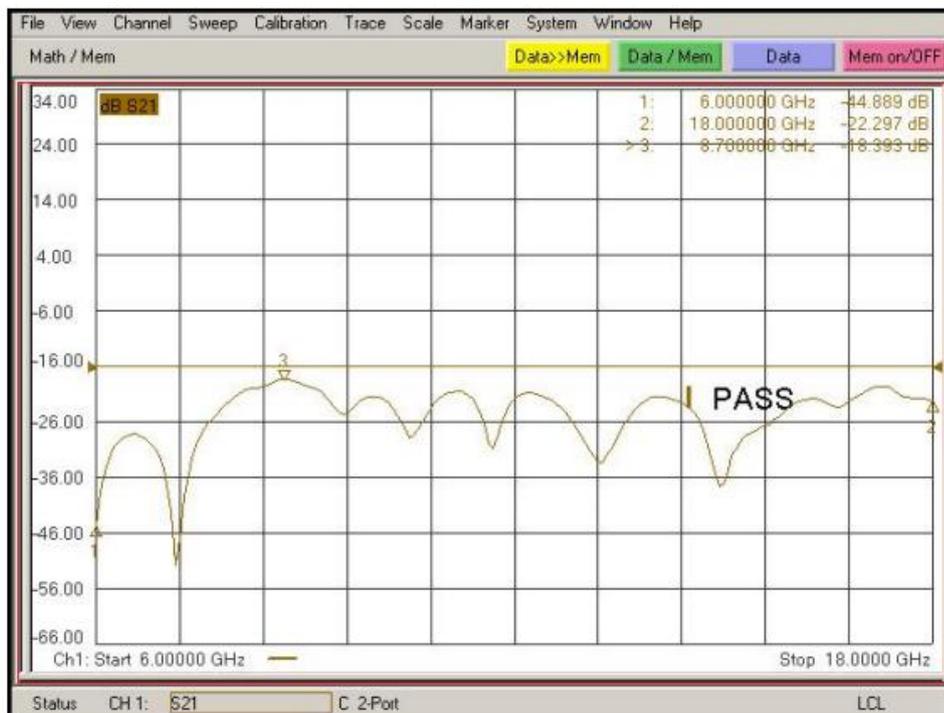


## Test Curves

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



### Isolation



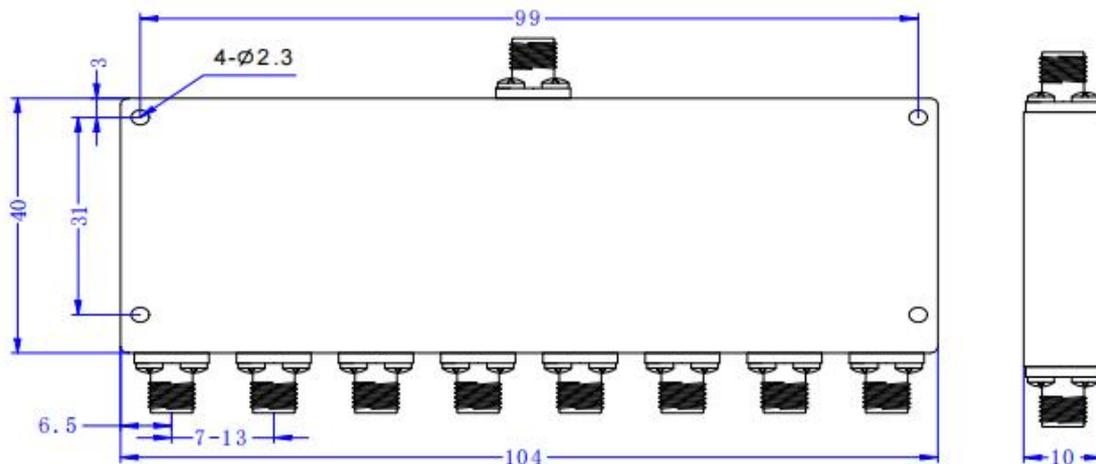
## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M60400-8-2.92F

### Electrical Specifications

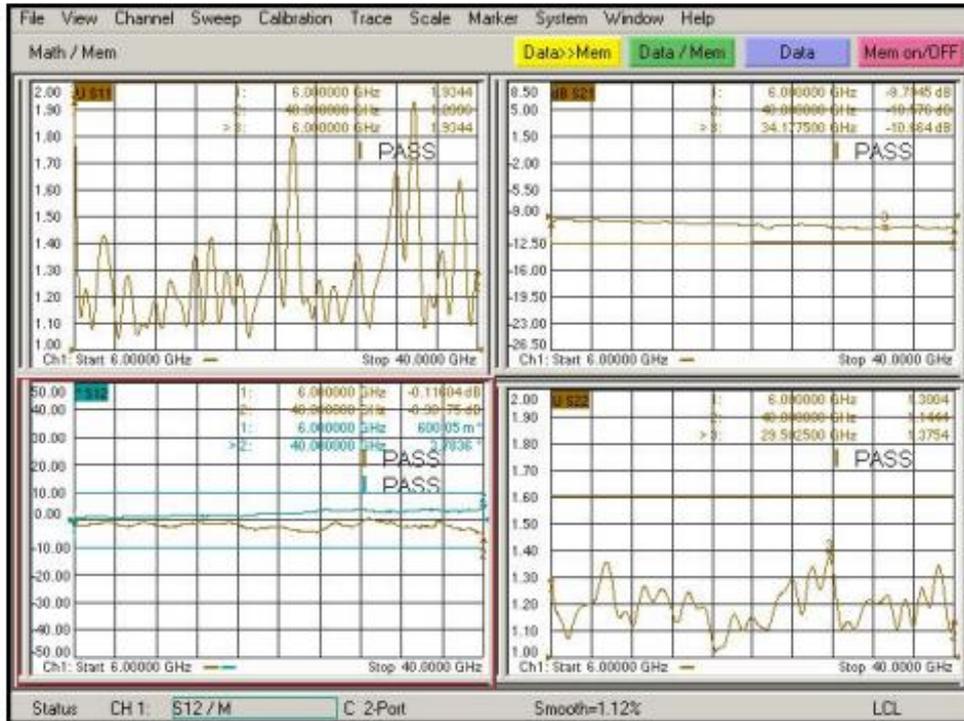
Part Number	KTPD-M60400-8-2.92F
Impedance	50Ω
Frequency Range	6.0-40.0GHz
Insertion Loss	≤3.5dB
Isolation	≥16dB
VSWR	Input ≤2.0      Output ≤1.60
Phase Balance	≤ ±10 degree
Amplitude Balance	≤ ±0.5dB
Power Handling	10W (Forward Power)
Connector	2.92mm - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	104x40x10 mm
Surface Finish	Grey Painting

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



## Test Curves

### VSWR , IL , Amplitude , Phase Balance



### Isolation



## 8 Ways RF Microstrip Power Divider

Part Number: KTPD-M180400-8-2.92F

### Electrical Specifications

Part Number	KTPD-M180400-8-2.92F
Impedance	50Ω
Frequency Range	18.0-40.0GHz
Insertion Loss	≤2.0dB
Isolation	≥16dB
VSWR	Input ≤1.8      Output ≤1.50
Phase Balance	≤ ±8 degree
Amplitude Balance	≤ ±0.5dB
Power Handling	10W (Forward Power)
Connector	2.92mm - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	104x40x10 mm
Surface Finish	Grey Painting

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

