

## 16 Ways RF Microstrip Power Divider

### Features

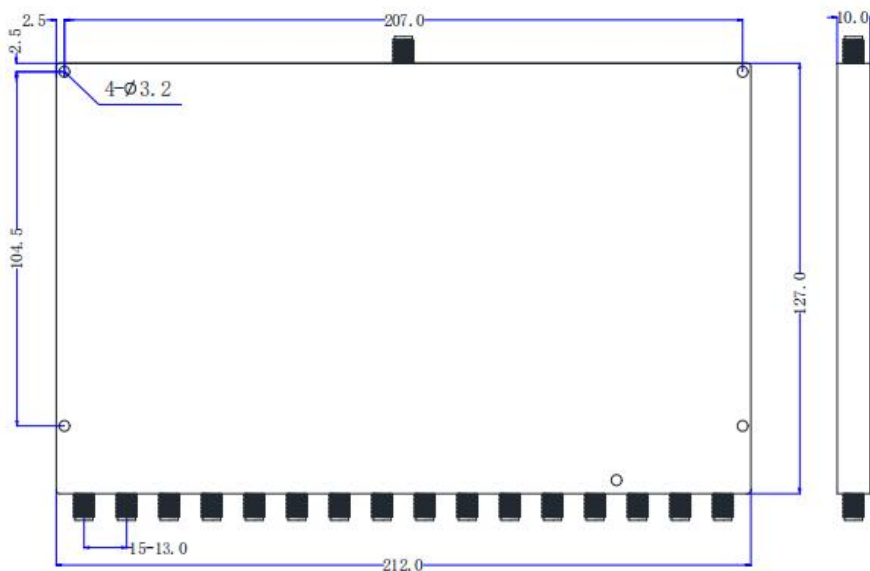
- ◆ Low insertion Loss, Excellent Phase Balance and Phase Balance
- ◆ Used in Aerospace and Defense, Wireless and Wireline Communications Applications
- ◆ RoHS Compliant

**Part Number: KTPD-M0560-16-SMAF**

### Electrical Specifications

<b>Part Number</b>	KTPD-M0560-16-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.5-6.0GHz	
<b>Insertion Loss</b>	≤3.2dB	
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.80	Output ≤1.50
<b>Phase Balance</b>	≤ ±6 degree	
<b>Amplitude Balance</b>	≤ ±0.6dB	
<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>	212x127x10 mm	
<b>Surface Finish</b>	Grey Painting	

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



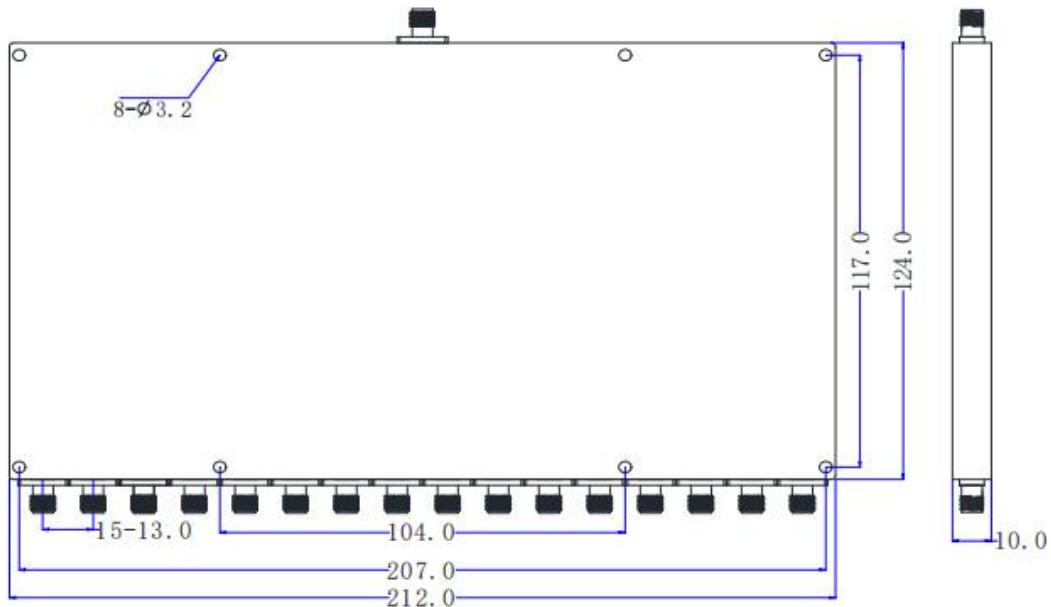
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M0580-16-SMAF

### Electrical Specifications

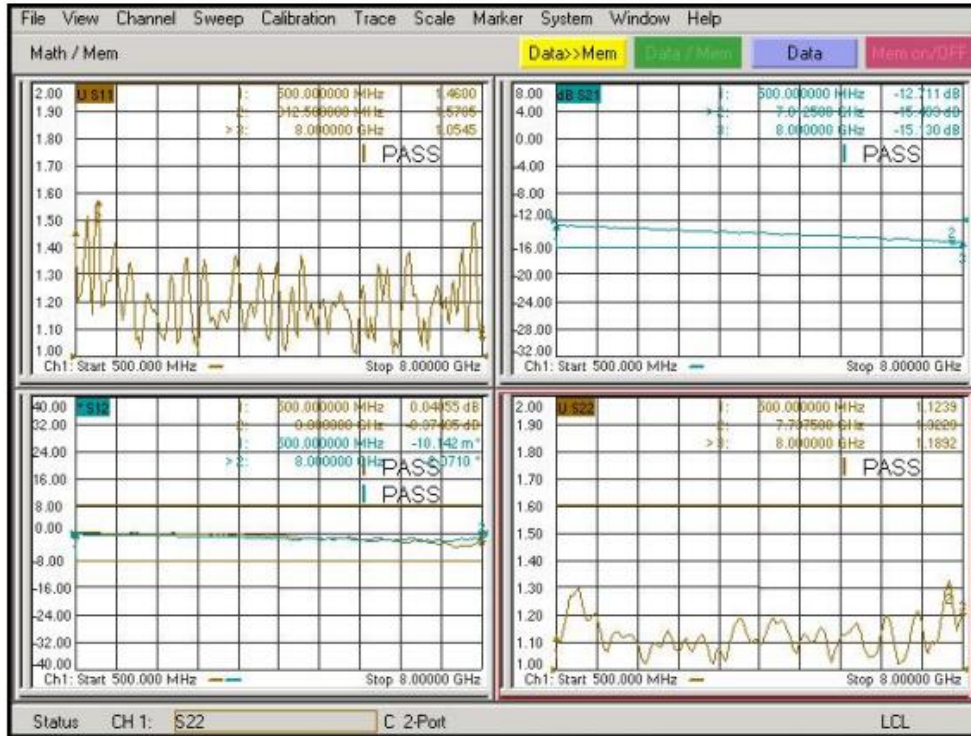
Part Number	KTPD-M0580-16-SMAF	
Impedance	50Ω	
Frequency Range	0.5-8.0GHz	
Insertion Loss	≤3.8dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±8 degree	
Amplitude Balance	≤ ±0.8dB	
Power Handling	20W (Forward Power)	2W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	212x124x10 mm	
Surface Finish	Grey Painting	

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

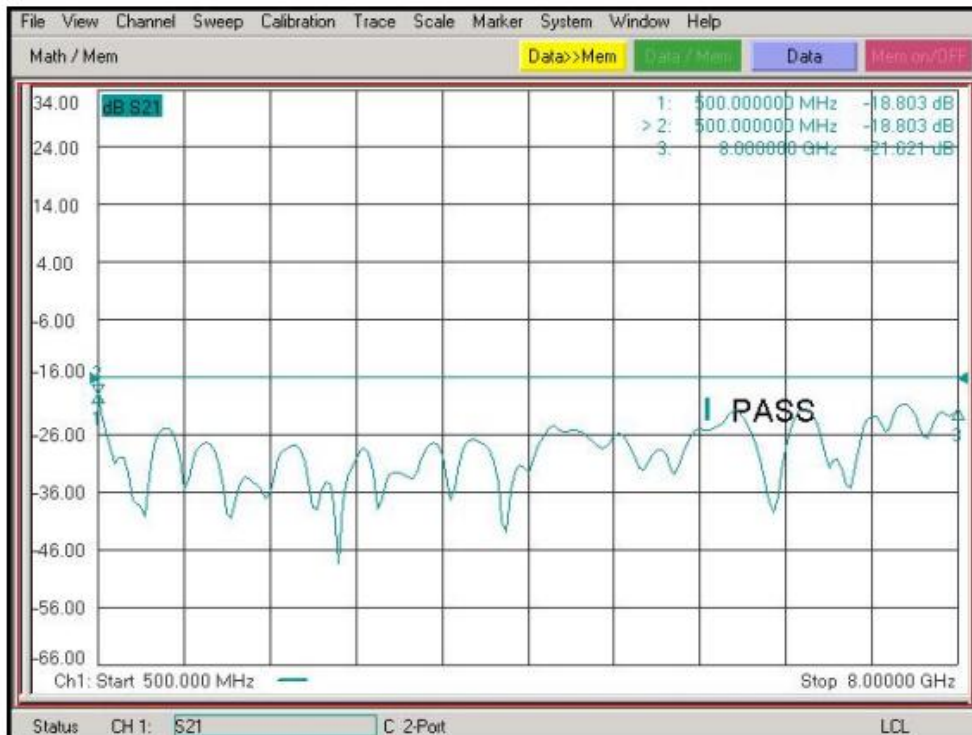


## Test Curves

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



### Isolation



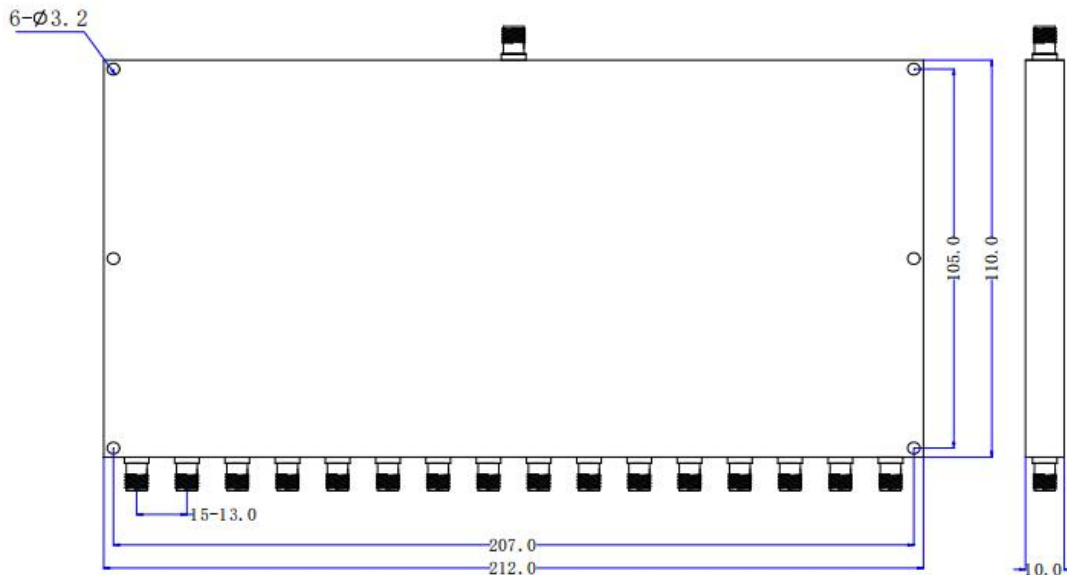
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M0730-16-SMAF

### Electrical Specifications

<b>Part Number</b>	KTPD-M0730-16-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	0.7-3.0GHz	
<b>Insertion Loss</b>	≤2.0dB	
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.50	Output ≤1.30
<b>Phase Balance</b>	≤ ±8 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>	212x110x10 mm	
<b>Surface Finish</b>	Grey Painting	

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



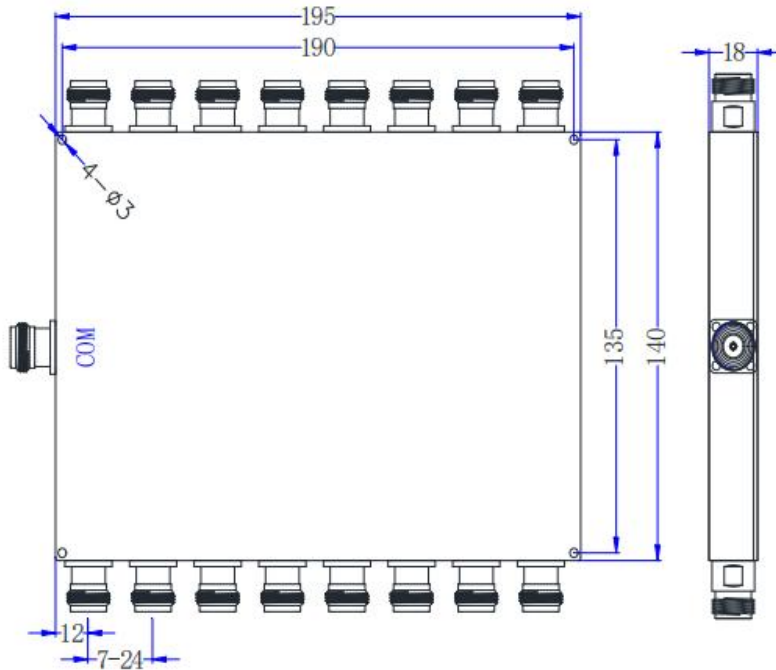
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M0825-16-NF

### Electrical Specifications

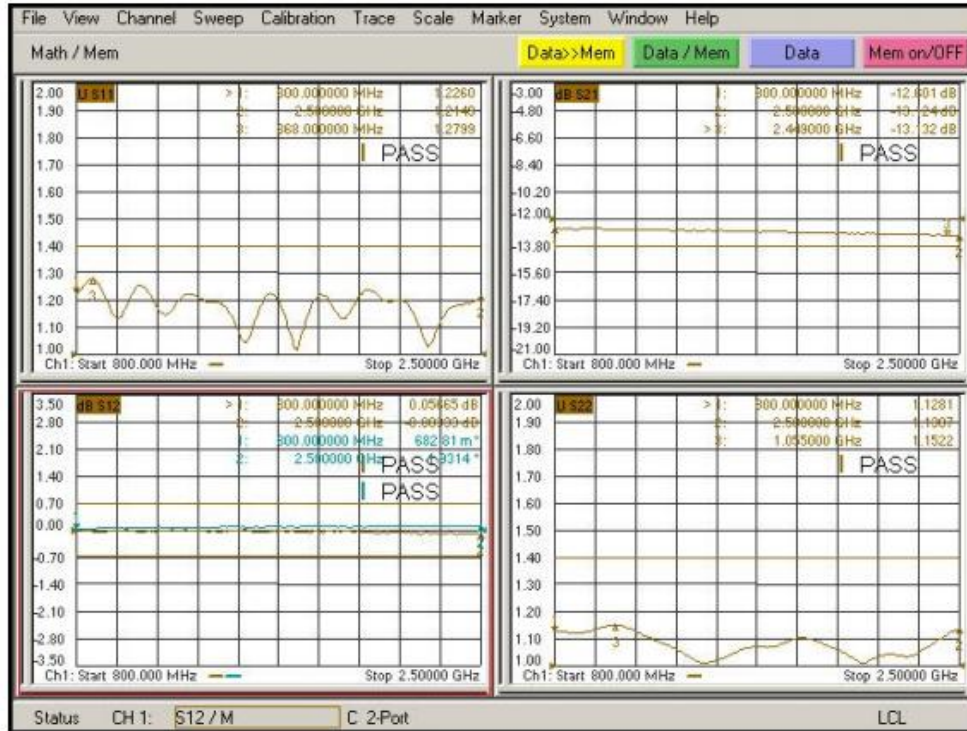
Part Number	KTPD-M0825-16-NF
Impedance	50Ω
Frequency Range	0.8-2.5GHz
Insertion Loss	≤1.5dB
Isolation	≥22dB
VSWR	≤1.40
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.5dB
Power Handling	30W (Forward Power) 2W (Reverse Power)
Connector	N - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	195x140x18 mm
Surface Finish	Sandblasting

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



## Test Curves

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



### Isolation



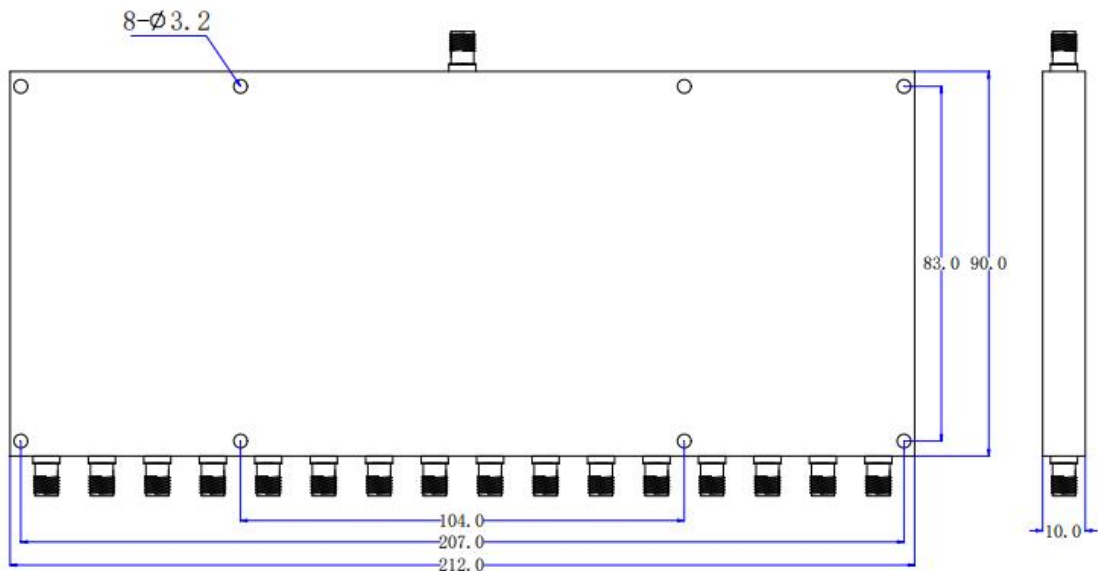
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M2040-16-SMAF

### Electrical Specifications

<b>Part Number</b>	KTPD-M2040-16-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	2.0-4.0GHz	
<b>Insertion Loss</b>	≤1.6dB	
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.50	Output ≤1.50
<b>Phase Balance</b>	≤ ±6 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>	212x90x10 mm	
<b>Surface Finish</b>	Grey Painting	

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



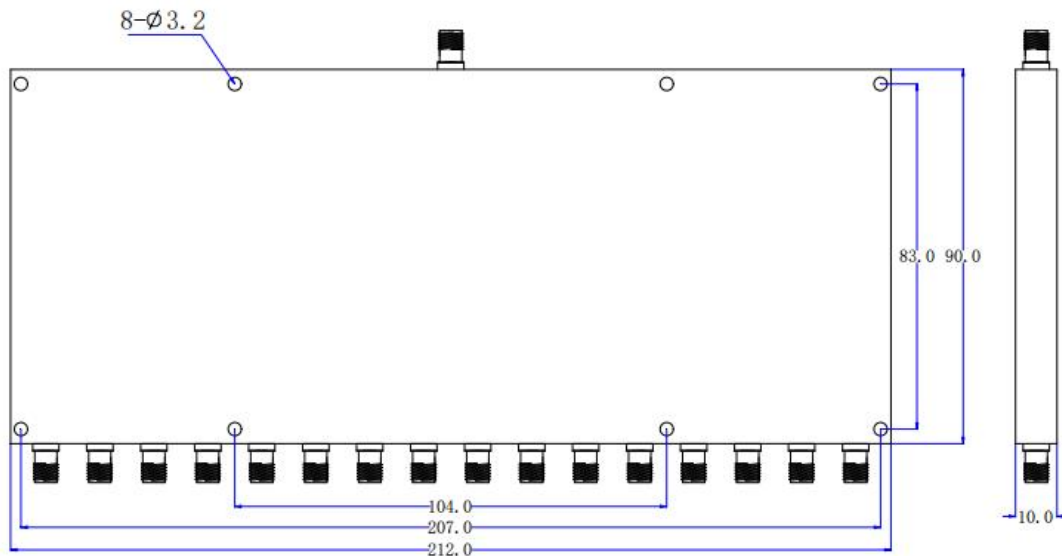
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-16-SMAF

### Electrical Specifications

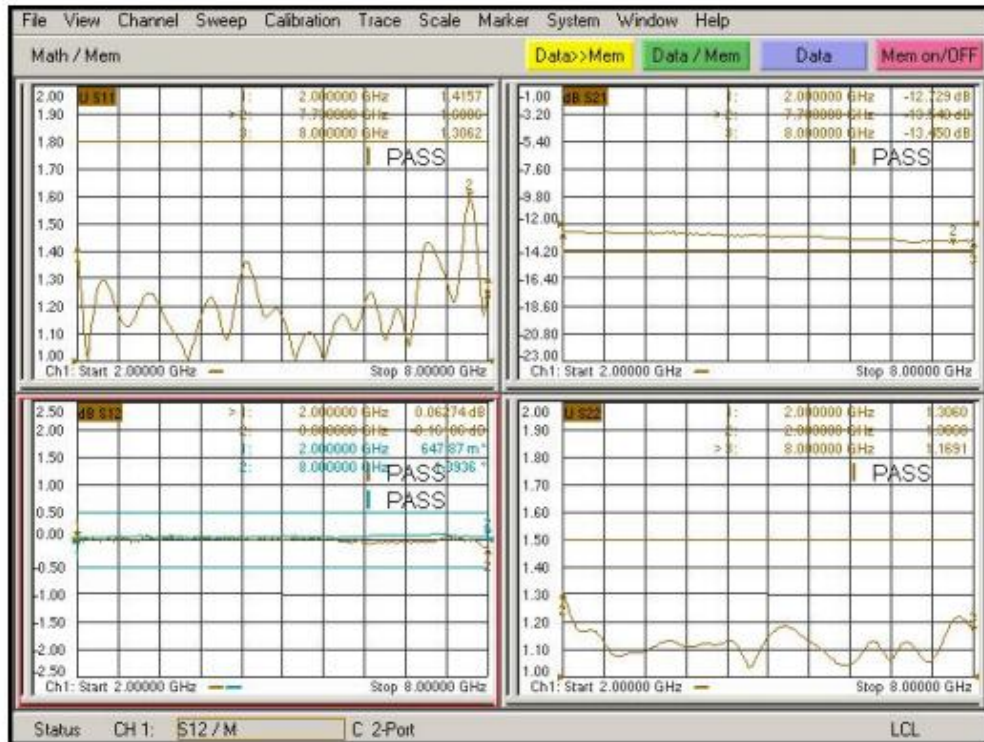
<b>Part Number</b>	KTPD-M2080-16-SMAF	
<b>Impedance</b>	50Ω	
<b>Frequency Range</b>	2.0-8.0GHz	
<b>Insertion Loss</b>	≤2.0dB	
<b>Isolation</b>	≥18dB	
<b>VSWR</b>	Input ≤1.80	Output ≤1.50
<b>Phase Balance</b>	≤ ±8 degree	
<b>Amplitude Balance</b>	≤ ±0.5dB	
<b>Power Handling</b>	20W (Forward Power)	1W (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>	212x90x10 mm	
<b>Surface Finish</b>	Grey Painting	

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



## Test Curves

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



### Isolation



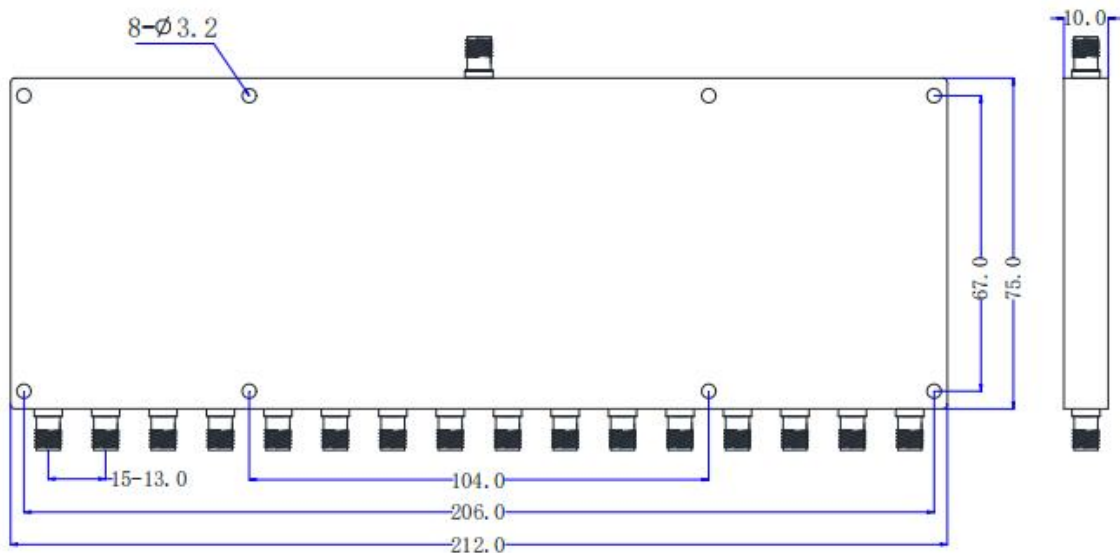
## 16 Ways RF Microstrip Power Divider

Part Number: KTPD-M60180-16-SMAF

### Electrical Specifications

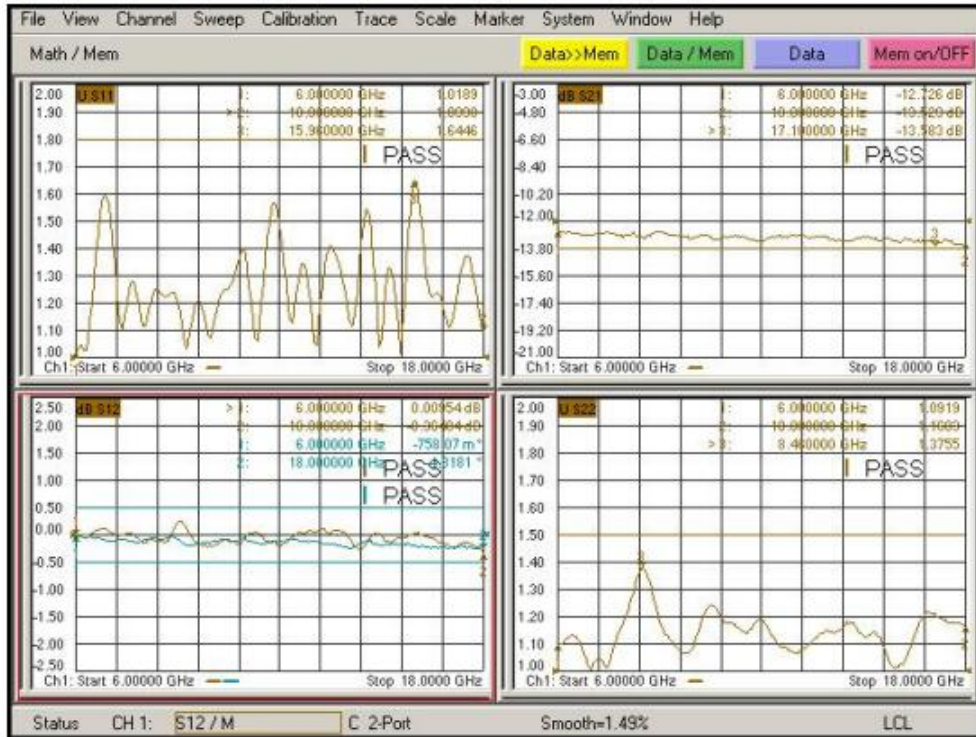
Part Number	KTPD-M60180-16-SMAF	
Impedance	50Ω	
Frequency Range	6.0-18.0GHz	
Insertion Loss	≤1.8dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±0.5dB	
Power Handling	10W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	212x75x10 mm	
Surface Finish	Grey Painting	

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



## Test Curves

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



### Isolation

