

2 Ways RF Microstrip Power Divider

Features

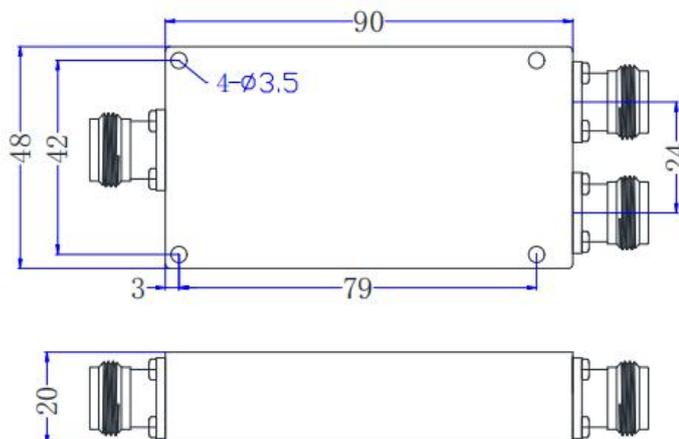
- ◆ High Reliability, High Performance
- ◆ Applications for Communications Systems, Amplifier Systems, Aviation/Aerospace and Defense
- ◆ RoHS Compliant

Part Number: KTPD-M013437-2-NF

Electrical Specifications

Part Number	KTPD-M013437-2-NF
Impedance	50Ω
Frequency Range	0.134-3.7GHz
Insertion Loss	≤2.0dB (Exclusive the 3.0dB Split Loss)
Isolation	≥18dB
VSWR	≤1.30
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.3dB
Power Handling	20W (Forward Power) 2W (Reverse Power)
Connector	N - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	90x48x20 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



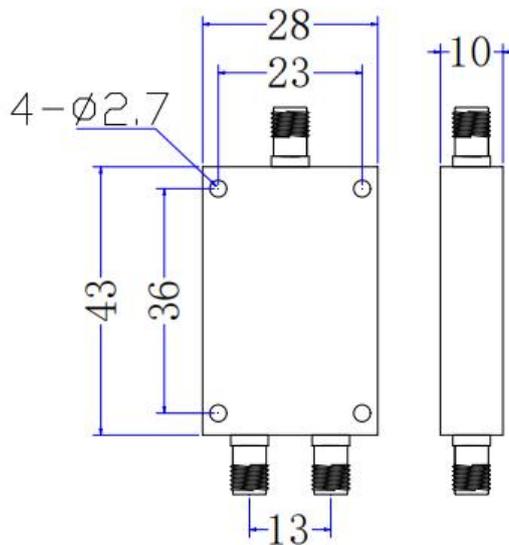
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M069827-2-SMAF

Electrical Specifications

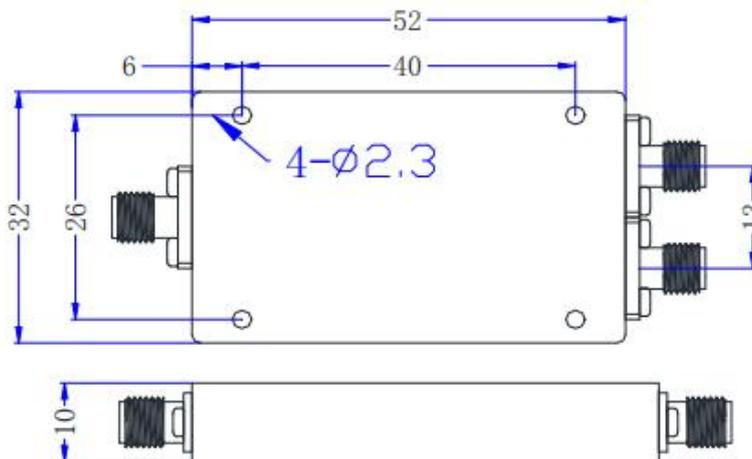
Part Number	KTPD-M069827-2-SMAF
Impedance	50Ω
Frequency Range	0.698-2.7GHz
Insertion Loss	≤0.5dB
Isolation	≥20dB
VSWR	≤1.25
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.2dB
Power Handling	30W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	43x28x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



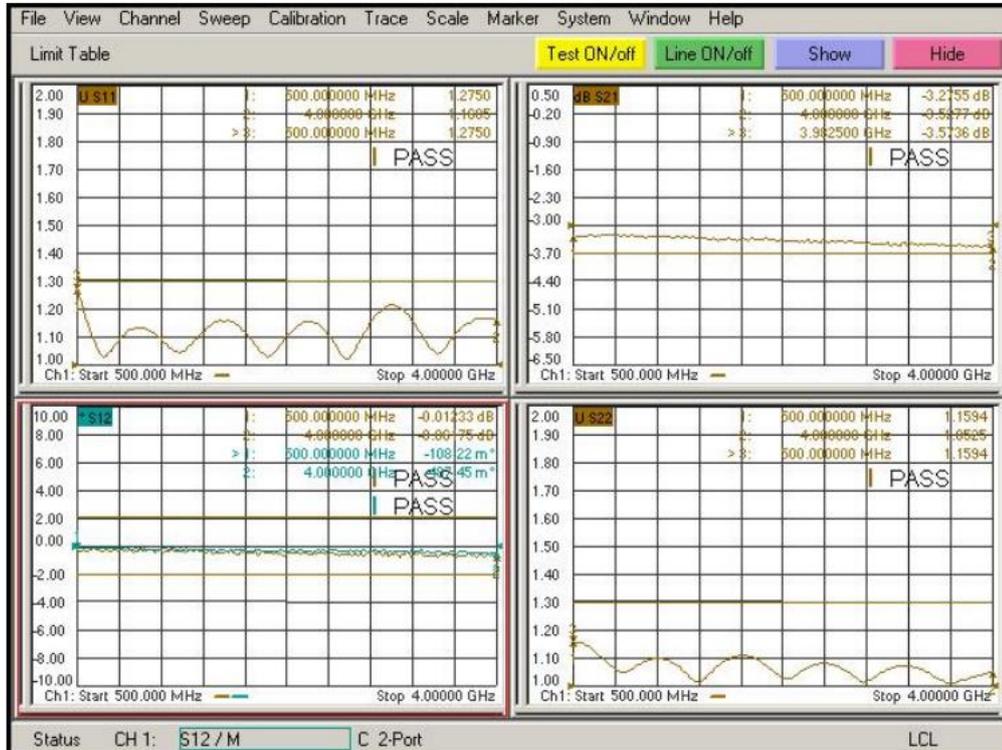
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M0540-2-SMAF
Electrical Specifications

Part Number	KTPD-M0540-2-SMAF
Impedance	50Ω
Frequency Range	0.5-4.0GHz
Insertion Loss	≤0.7dB
Isolation	≥20dB
VSWR	≤1.30
Phase Balance	≤ ±2 degree
Amplitude Balance	≤ ±0.2dB
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	52x32x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance

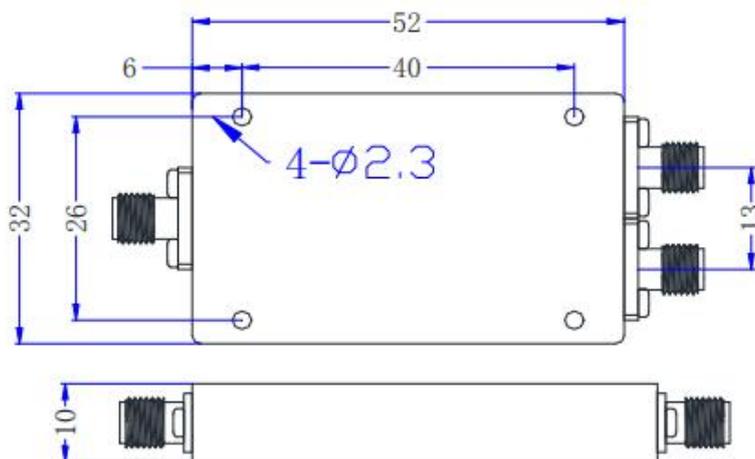


Isolation



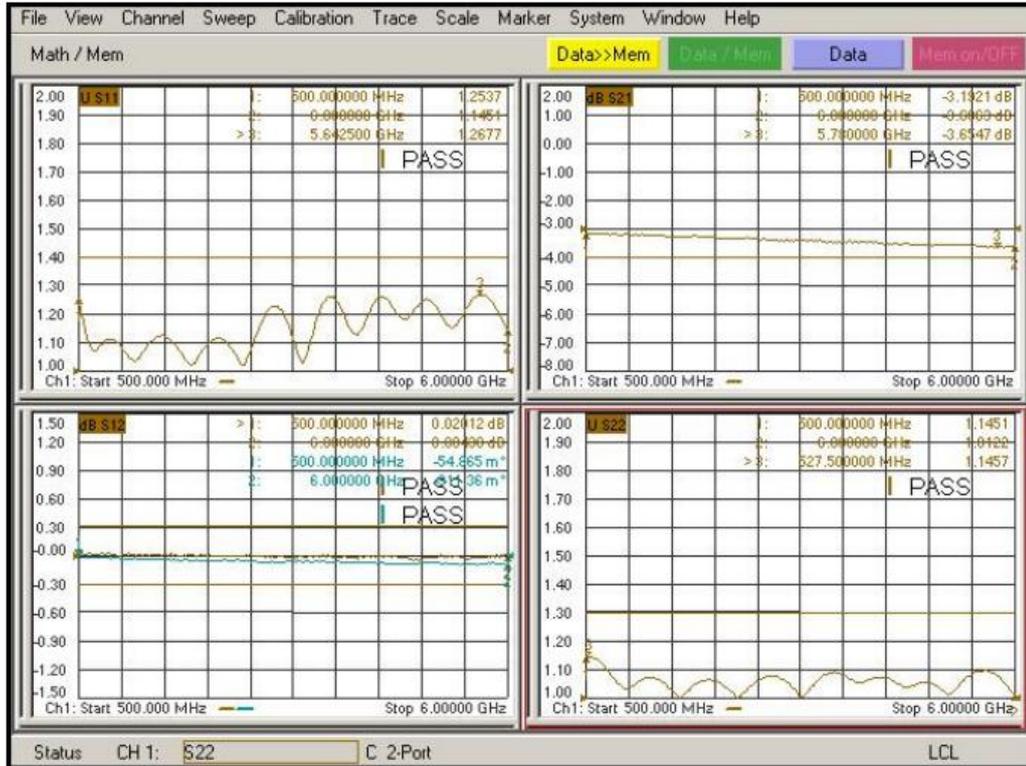
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M0560-2-SMAF
Electrical Specifications

Part Number	KTPD-M0560-2-SMAF
Impedance	50Ω
Frequency Range	0.5-6.0GHz
Insertion Loss	≤1.0dB
Isolation	≥20dB
VSWR	Input ≤1.40 Output ≤1.30
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.3dB
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	52x32x10 mm
Surface Finish	Grey Painting

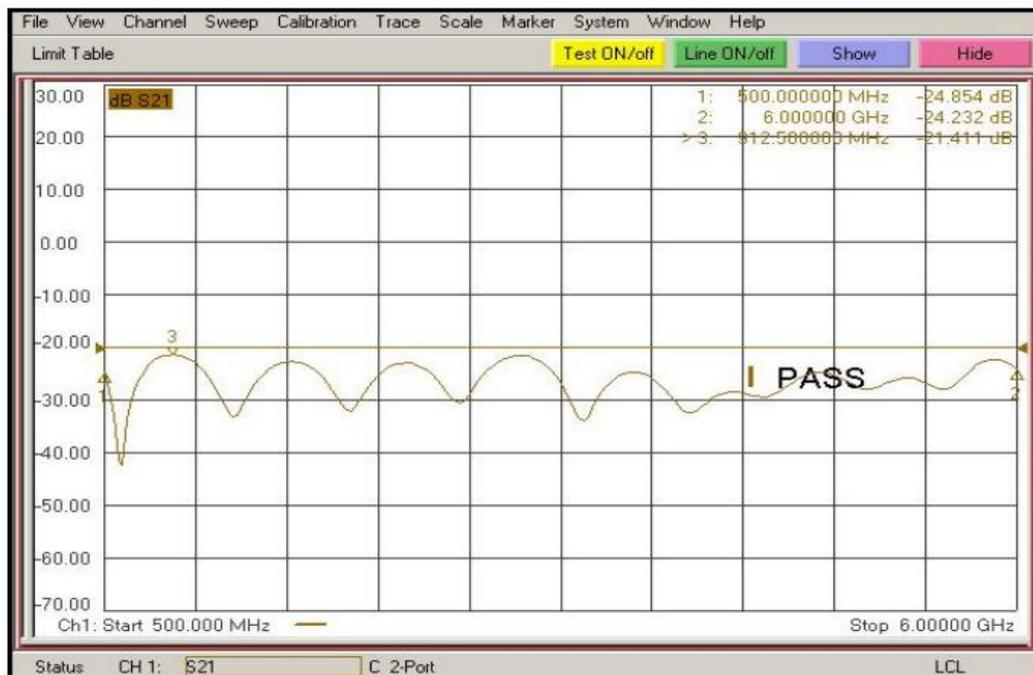
Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance

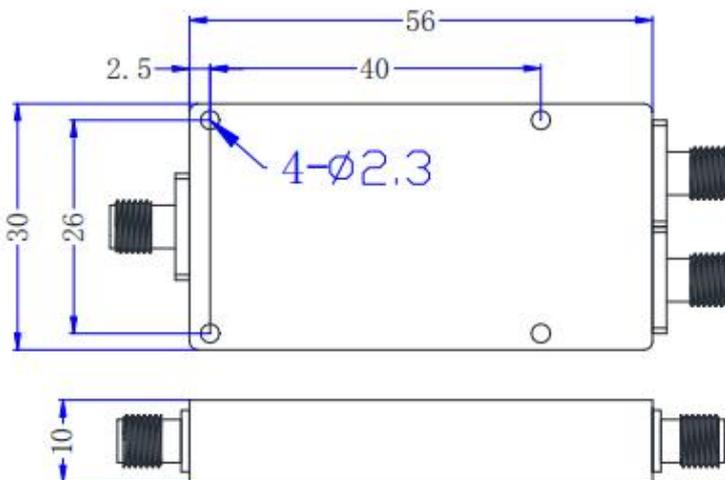


Isolation



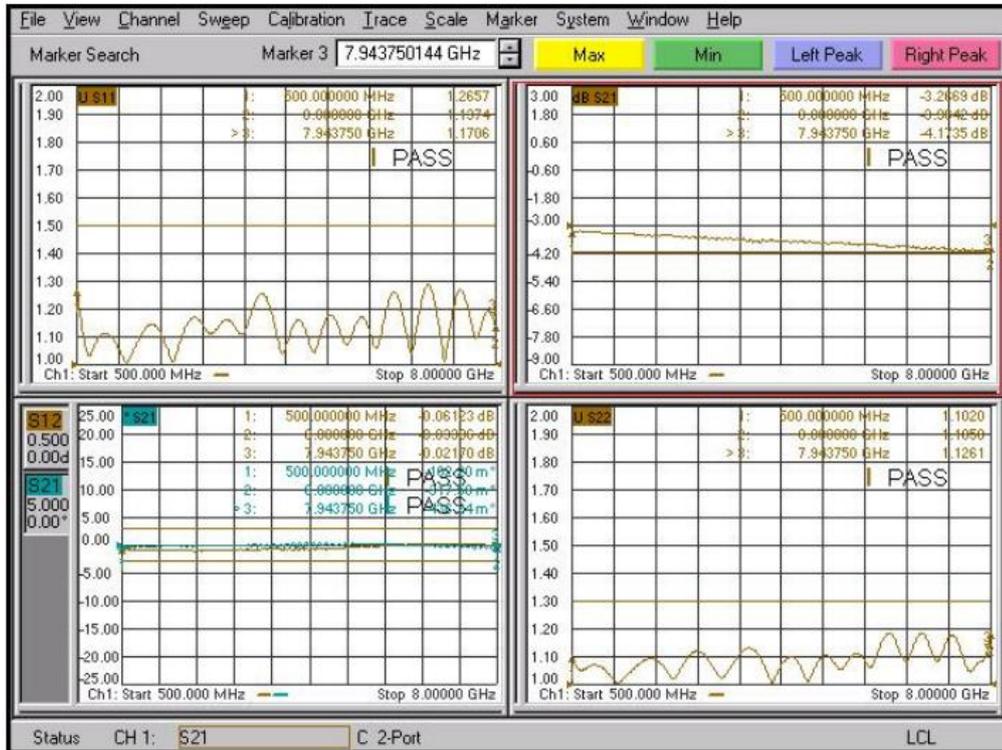
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M0580-2-SMAF
Electrical Specifications

Part Number	KTPD-M0580-2-SMAF
Impedance	50Ω
Frequency Range	0.5-8.0GHz
Insertion Loss	≤1.5dB
Isolation	≥20dB
VSWR	Input ≤1.50 Output ≤1.30
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.3dB
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	56x30x10 mm
Surface Finish	Grey Painting

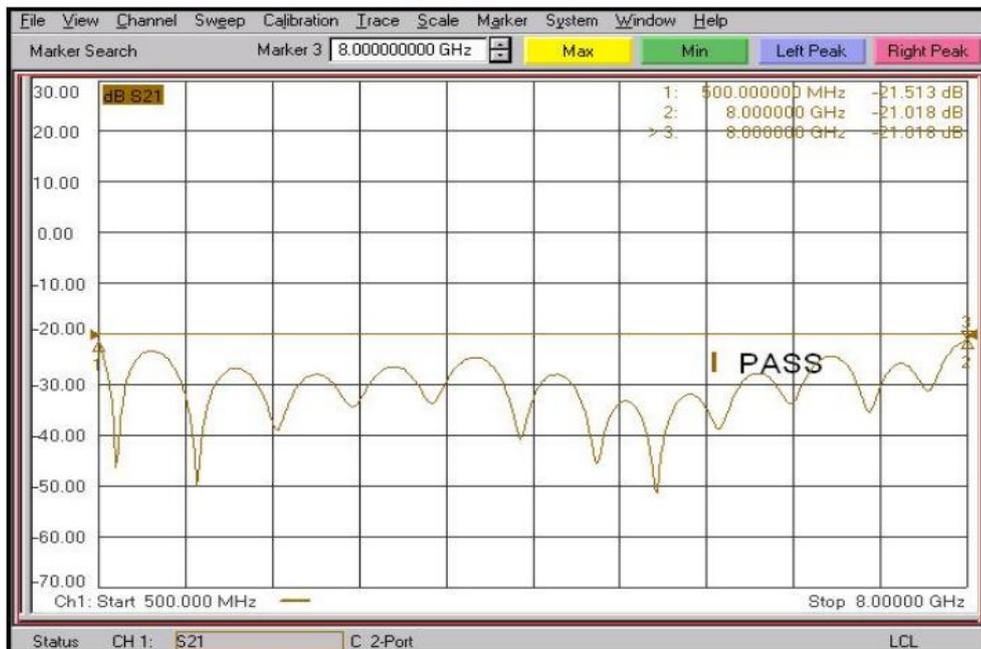
Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



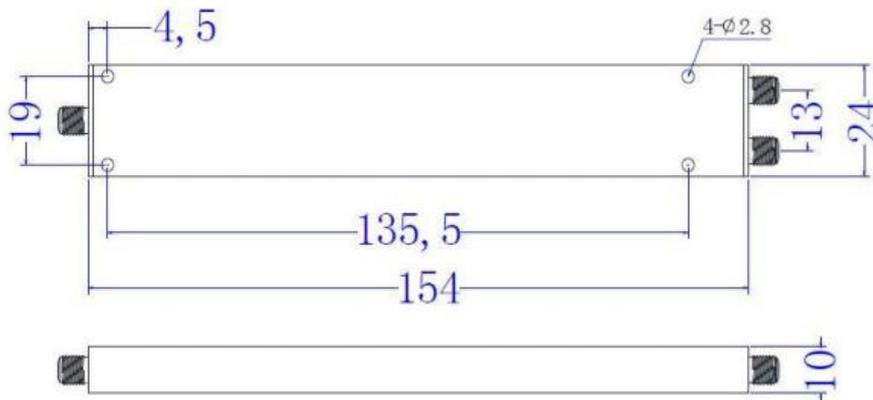
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M05180-2-SMAF

Electrical Specifications

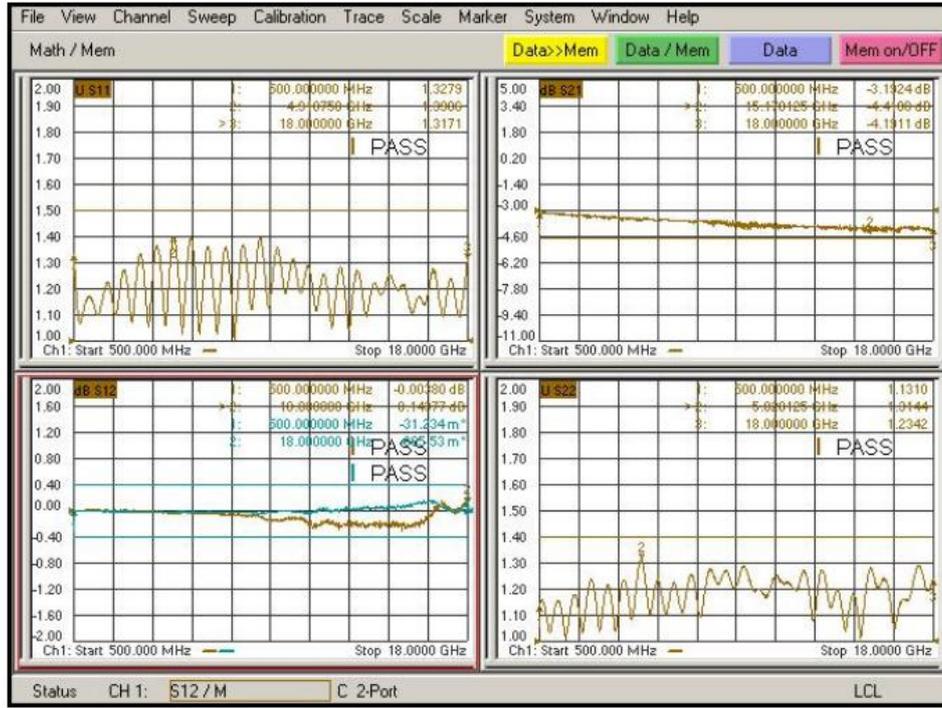
Part Number	KTPD-M05180-2-SMAF
Impedance	50Ω
Frequency Range	0.5-18.0GHz
Insertion Loss	≤1.6dB
Isolation	≥16dB
VSWR	Input ≤1.50 Output ≤1.40
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.4dB
Power Handling	20W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	154x24x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)

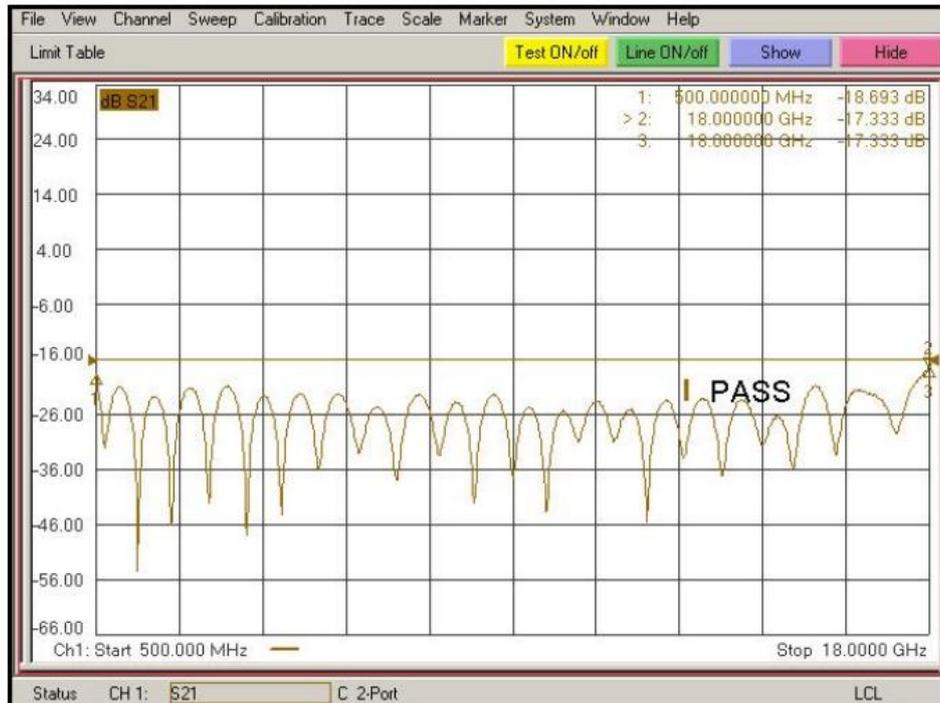


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance



Isolation



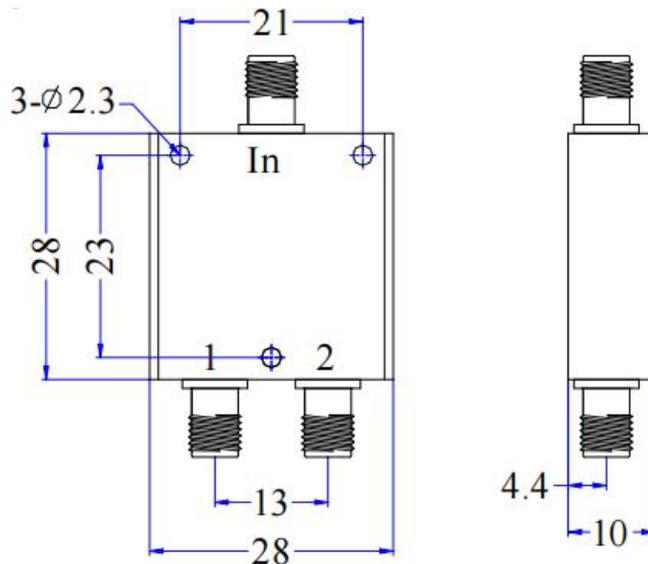
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M1040-2-SMAF

Electrical Specifications

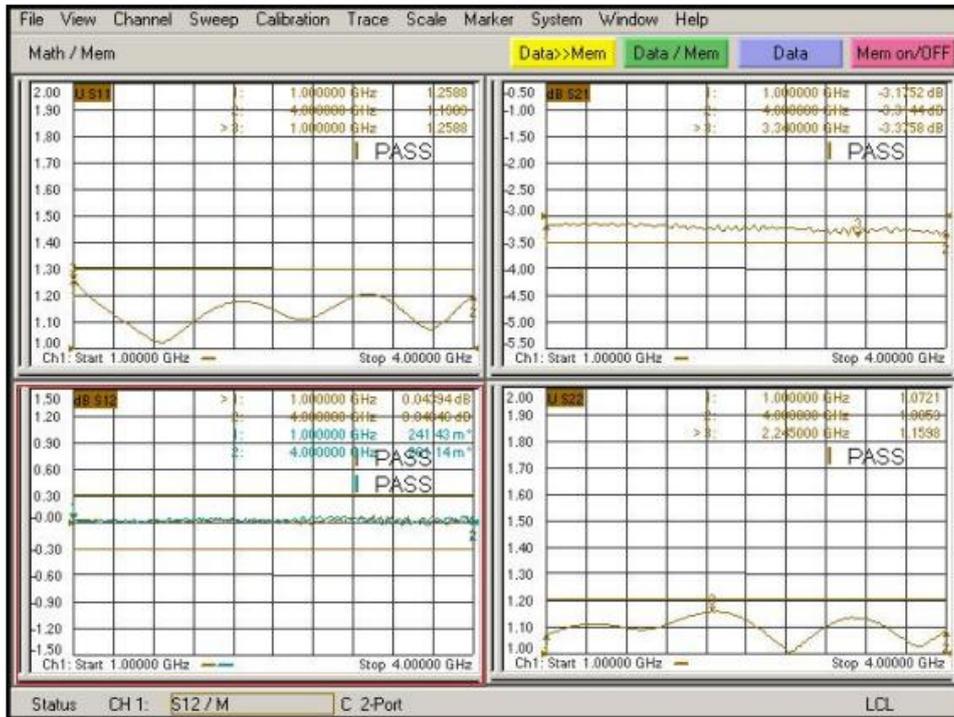
Part Number	KTPD-M1040-2-SMAF
Impedance	50Ω
Frequency Range	1.0-4.0GHz
Insertion Loss	≤0.5dB
Isolation	≥20dB
VSWR	Input ≤1.30 Output ≤1.20
Phase Balance	≤ ±2 degree
Amplitude Balance	≤ ±0.3dB
Power Handling	30W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	28x28x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)

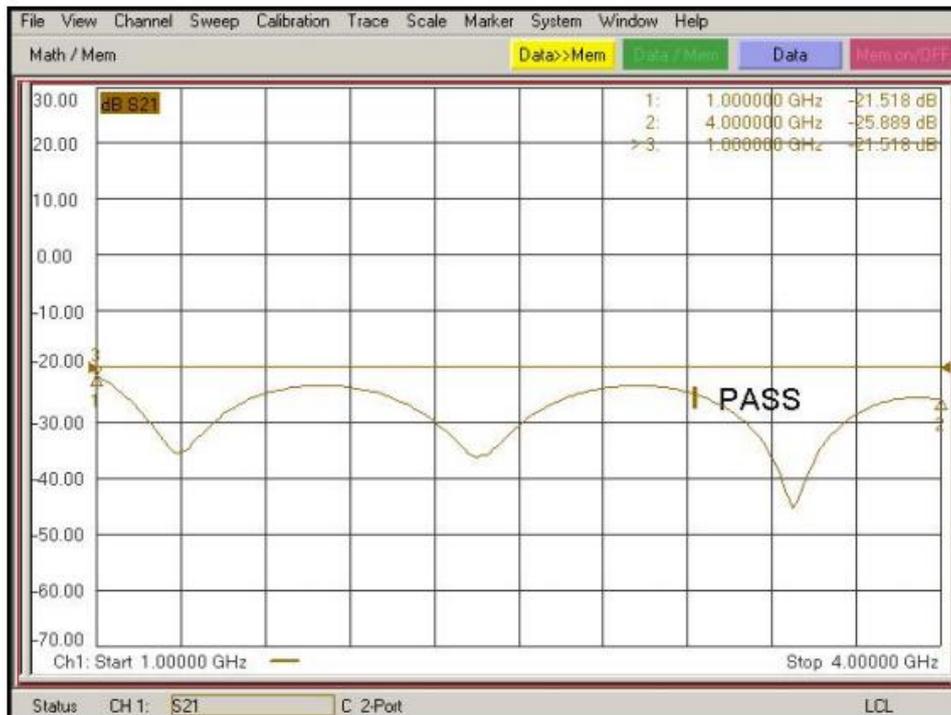


Test Curve

VSWR , I.L , Amplitude , Phase Balance



Isolation



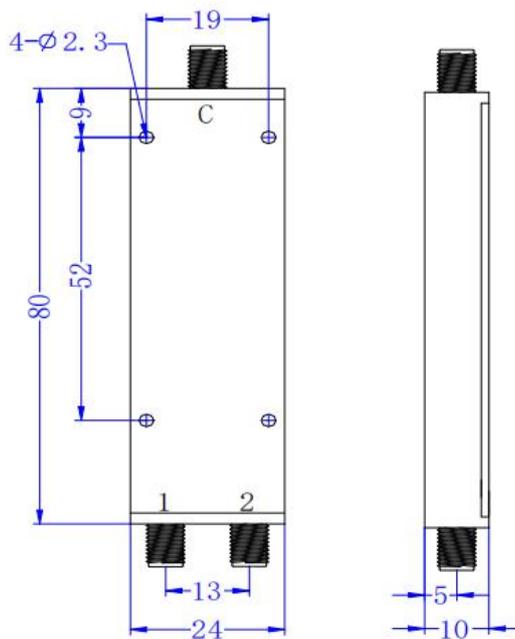
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M10124-2-SMAF

Electrical Specifications

Part Number	KTPD-M10124-2-SMAF
Impedance	50Ω
Frequency Range	1.0-12.4GHz
Insertion Loss	≤1.5dB
Isolation	≥16dB
VSWR	Input ≤1.40 Output ≤1.30
Phase Balance	≤ ±6 degree
Amplitude Balance	≤ ±0.4dB
Power Handling	20W (Divider) 1W (Combiner)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	80x24x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



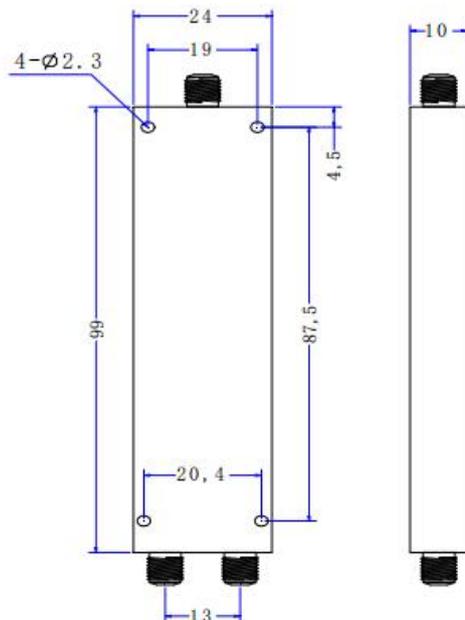
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M10180-2-SMAF

Electrical Specifications

Part Number	KTPD-M10180-2-SMAF
Impedance	50Ω
Frequency Range	1.0-18.0GHz
Insertion Loss	≤1.2dB
Isolation	≥16dB
VSWR	≤1.50
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.3dB
Power Handling	30W (Forward) 1W (Reverse)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	99x24x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



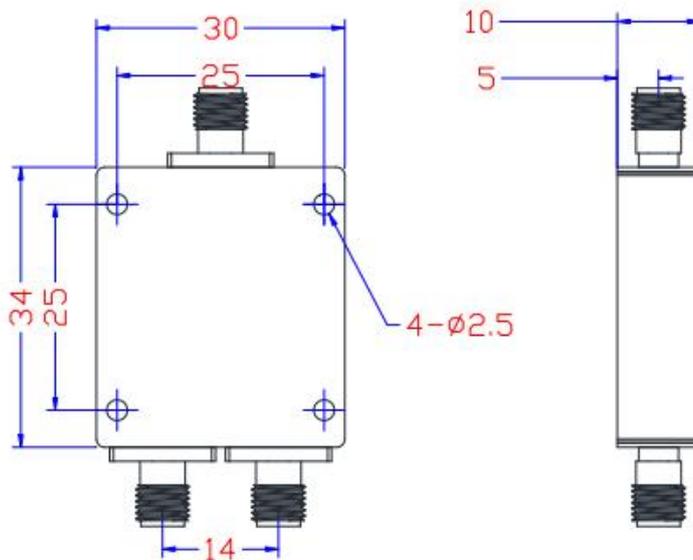
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M2040-2-SMAF

Electrical Specifications

Part Number	KTPD-M2040-2-SMAF
Impedance	50Ω
Frequency Range	2.0-4.0GHz
Insertion Loss	≤0.4dB
Isolation	≥20dB
VSWR	Input ≤1.30 Output ≤1.20
Phase Balance	≤ ±2 degree
Amplitude Balance	≤ ±0.2dB
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	34x30x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



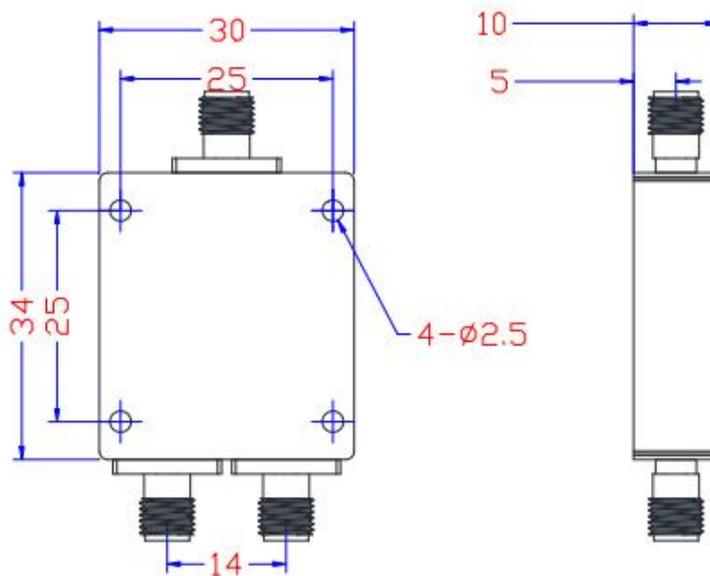
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M2060-2-SMAF

Electrical Specifications

Part Number	KTPD-M2060-2-SMAF
Impedance	50Ω
Frequency Range	2.0-6.0GHz
Insertion Loss	≤0.5dB
Isolation	≥20dB
VSWR	Input ≤1.30 Output ≤1.20
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.3dB
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	34x30x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



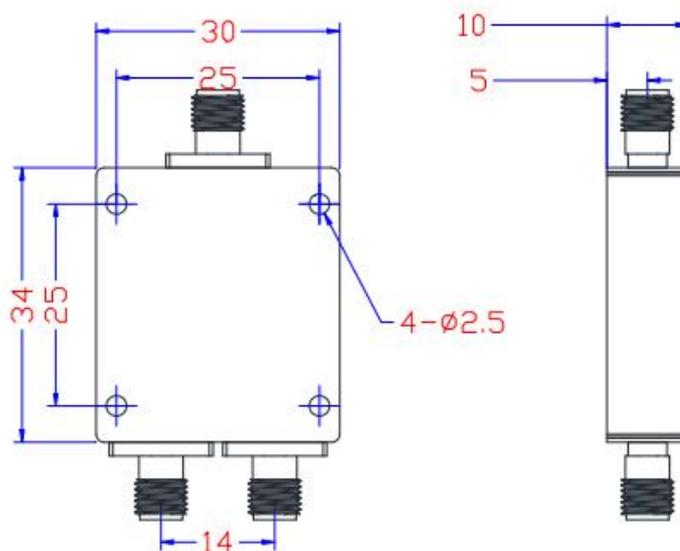
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-2-SMAF

Electrical Specifications

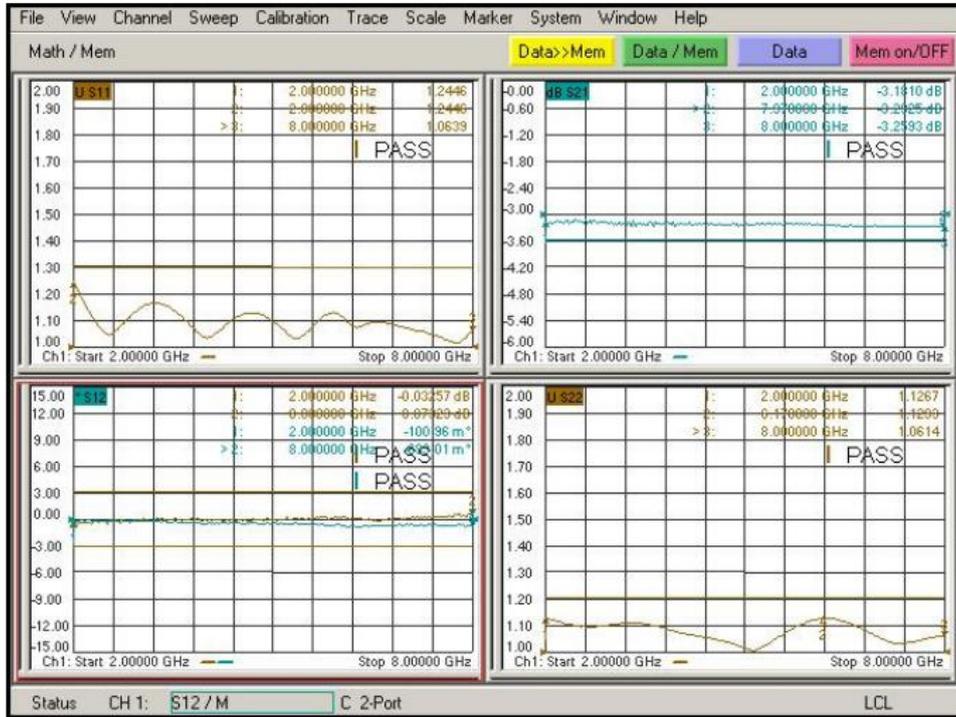
Part Number	KTPD-M2080-2-SMAF
Impedance	50Ω
Frequency Range	2.0-8.0GHz
Insertion Loss	≤0.6dB
Isolation	≥20dB
VSWR	Input ≤1.30 Output ≤1.20
Phase Balance	≤ ±3 degree
Amplitude Balance	≤ ±0.3dB
Power Handling	20W (Forward Power) 2W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	34x30x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)

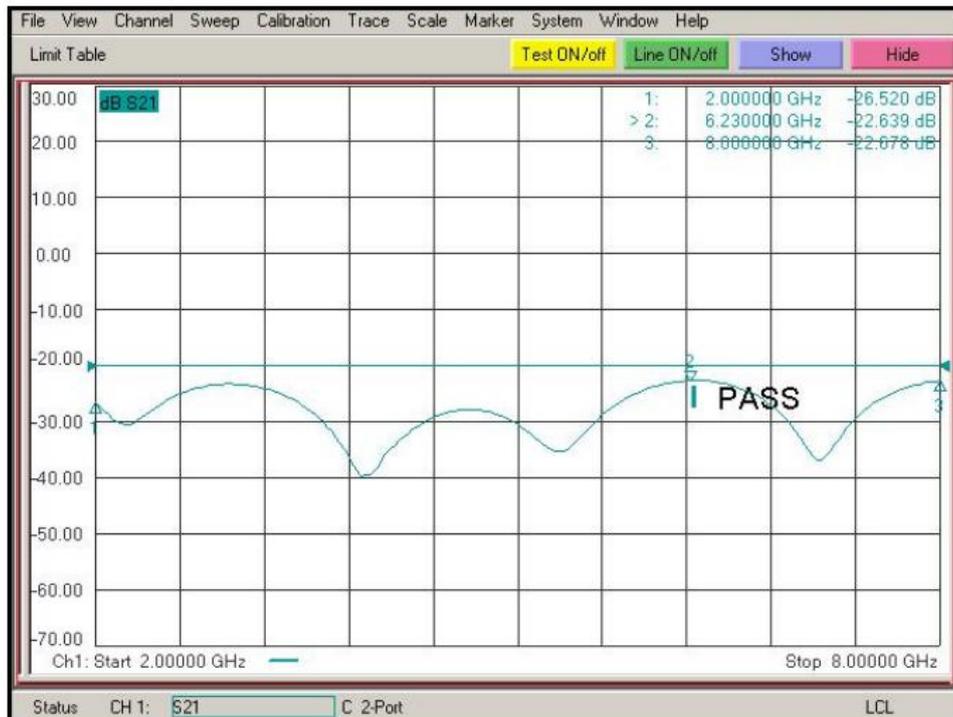


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance



Isolation



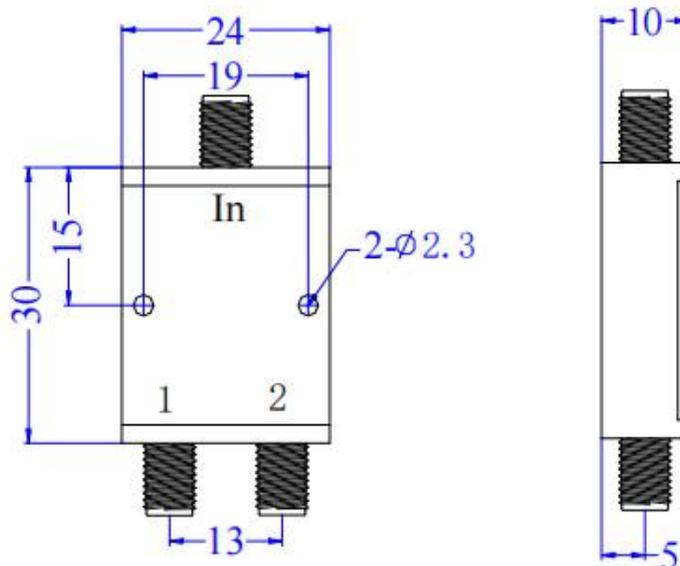
2 Ways RF Microstrip Power Divider

Part Number: KTPD-M60180-2-SMAF

Electrical Specifications

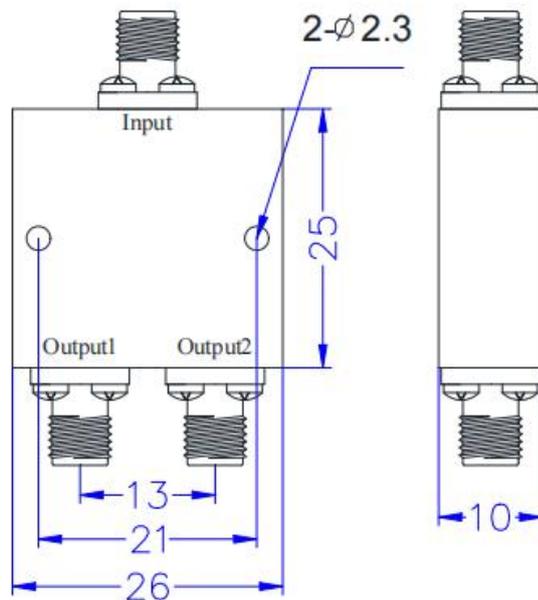
Part Number	KTPD-M60180-2-SMAF
Impedance	50Ω
Frequency Range	6.0-18.0GHz
Insertion Loss	≤0.8dB
Isolation	≥18dB
VSWR	≤1.40
Phase Balance	≤ ±6 degree
Amplitude Balance	≤ ±0.3dB
Power Handling	30W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	30x24x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



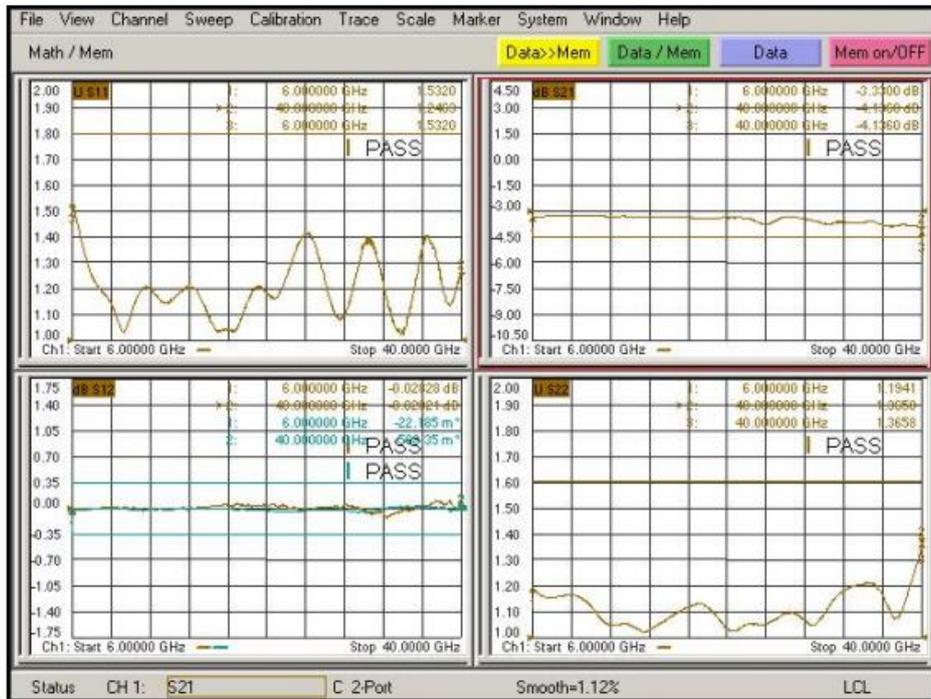
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M60400-2-2.92F
Electrical Specifications

Part Number	KTPD-M60400-2-SMAF
Impedance	50Ω
Frequency Range	6.0-40.0GHz
Insertion Loss	≤1.5dB
Isolation	≥18dB
VSWR	Input ≤1.40 Output ≤1.60
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.4dB
Power Handling	10W (Forward Power)
Connector	2.92mm - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	26x25x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance

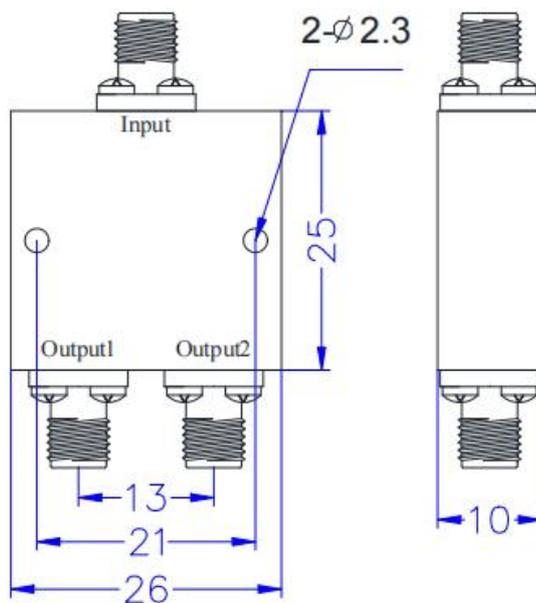


Isolation



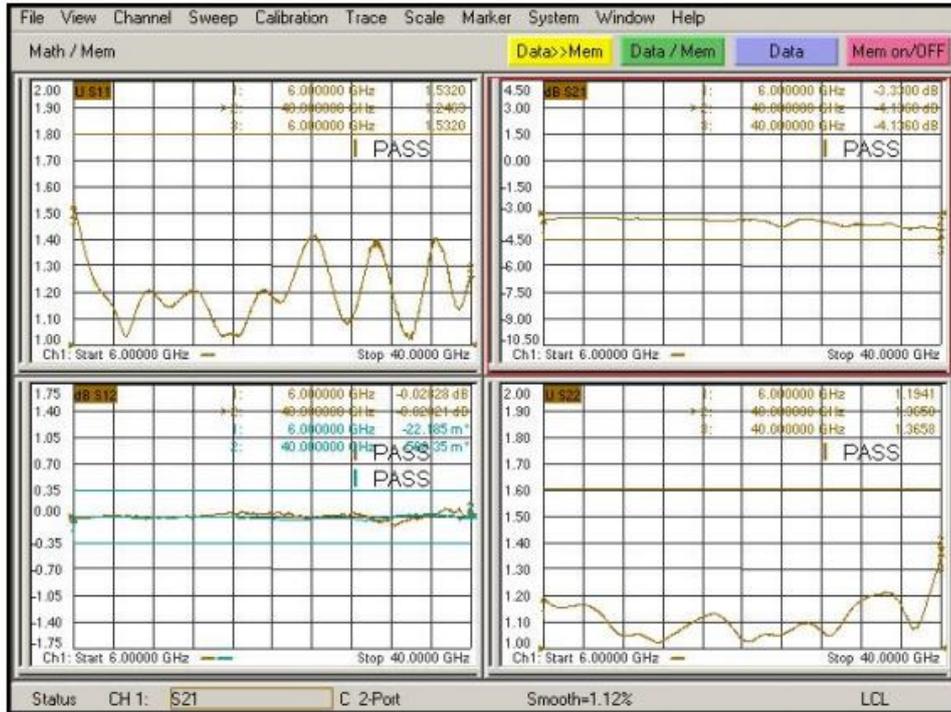
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M180400-2-2.92F
Electrical Specifications

Part Number	KTPD-M180400-2-SMAF
Impedance	50Ω
Frequency Range	18.0-40.0GHz
Insertion Loss	≤1.2dB
Isolation	≥16dB
VSWR	Input ≤1.60 Output ≤1.50
Phase Balance	≤ ±4 degree
Amplitude Balance	≤ ±0.4dB
Power Handling	20W (Forward Power)
Connector	2.92mm - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	26x25x10 mm
Surface Finish	Grey Painting

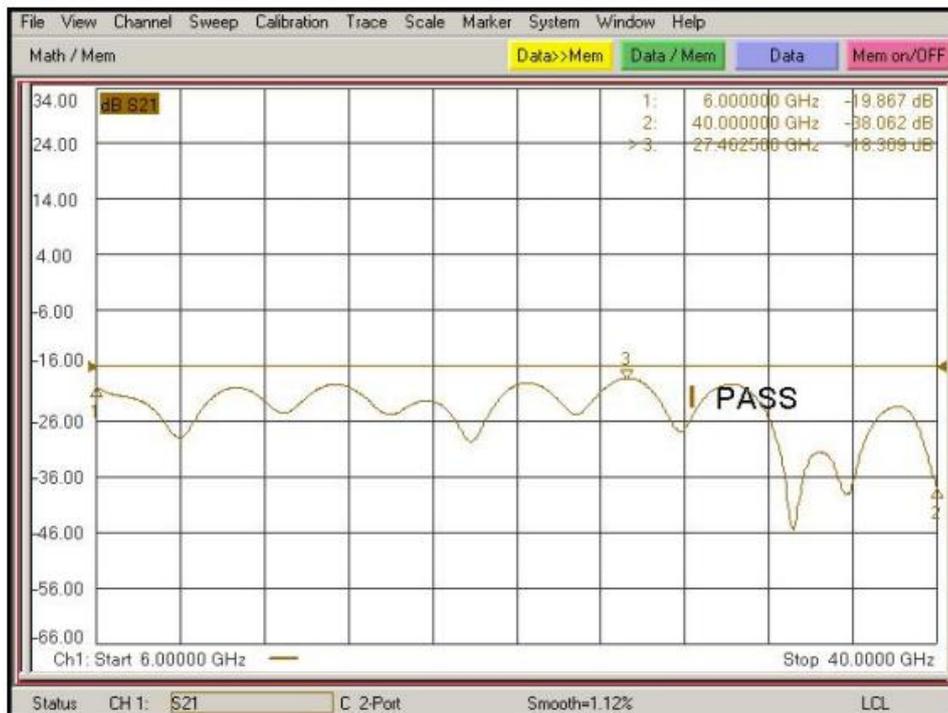
Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , Insertion Loss , AMP/Phase Balance

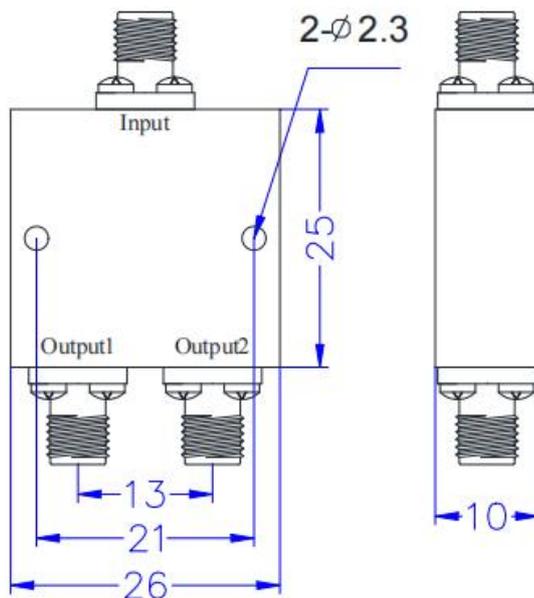


Isolation



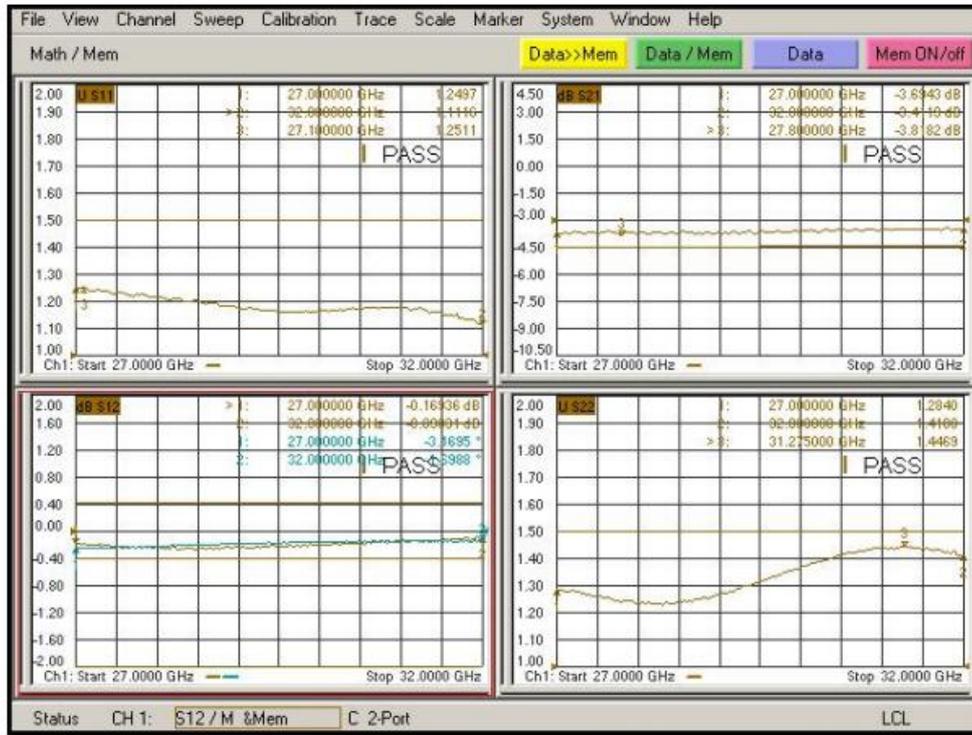
2 Ways RF Microstrip Power Divider
Part Number: KTPD-M270320-2-2.92F
Electrical Specifications

Part Number	KTPD-M270320-2-SMAF
Impedance	50Ω
Frequency Range	27.0-32.0GHz
Insertion Loss	≤1.0dB
Isolation	≥18dB
VSWR	≤1.50
Phase Balance	≤ ±4 degree
Amplitude Balance	≤ ±0.4dB
Power Handling	20W (Forward Power) 1W (Reverse)
Connector	2.92mm - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	26x25x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWSR , Insertion Loss , AMP/Phase Balance



Isolation

