

4 Ways RF Microstrip Power Divider

Features

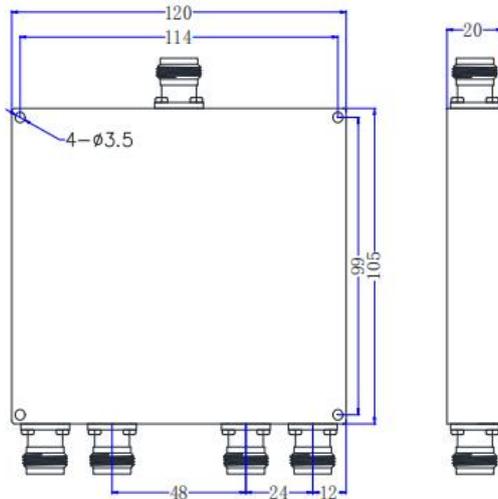
- ◆ High Performance, High Reliability
- ◆ Widely Used in Wireless Systems to Divide Power across Equally Cross the System
- ◆ RoHS Compliant

Part Number: KTPD-M013437-4-NF

Electrical Specifications

Part Number	KTPD-M013437-4-NF
Impedance	50Ω
Frequency Range	0.134-3.7GHz
Insertion Loss	≤4.0dB (Exclusive the 6.0dB Split Loss)
Isolation	≥18dB
VSWR	Input ≤1.40 Output ≤1.30
Phase Balance	≤ ±4 degree
Amplitude Balance	≤ ±0.4dB
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	120x105x20 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



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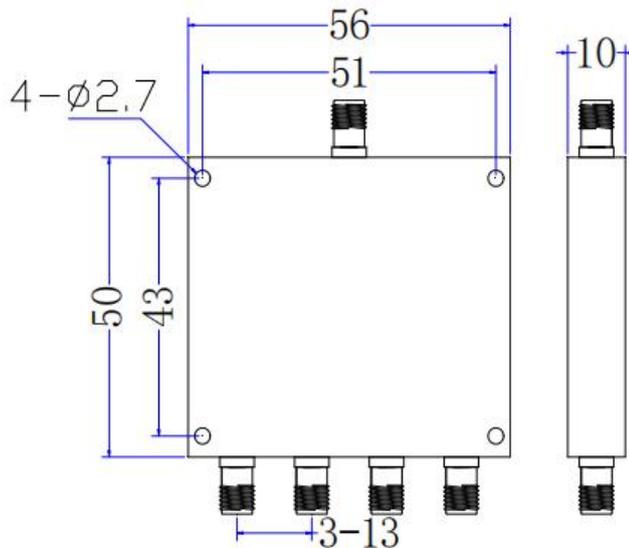
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M069827-4-SMAF

Electrical Specifications

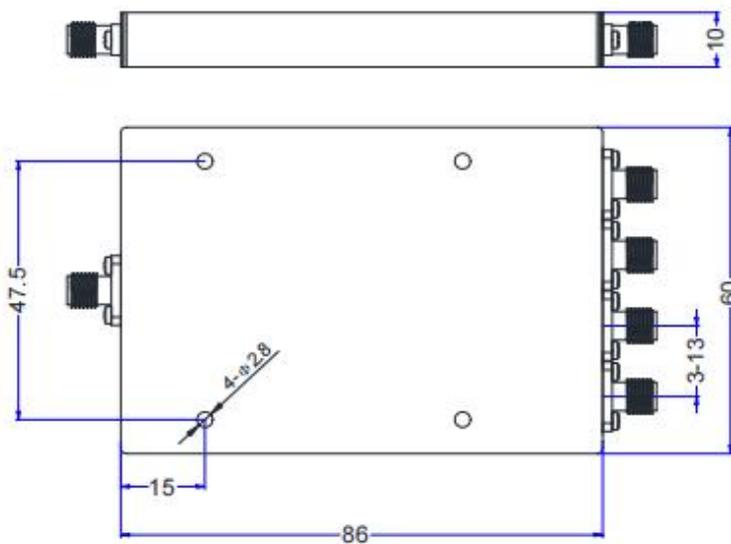
Part Number	KTPD-M069827-4-SMAF	
Impedance	50Ω	
Frequency Range	0.698-2.7GHz	
Insertion Loss	≤0.8dB	
Isolation	≥20dB	
VSWR	Input ≤1.30	Output ≤1.25
Phase Balance	≤ ±5 degree	
Amplitude Balance	≤ ±0.3dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	56x50x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



4 Ways RF Microstrip Power Divider
Part Number: KTPD-M0540-4-SMAF
Electrical Specifications

Part Number	KTPD-M0540-4-SMAF	
Impedance	50Ω	
Frequency Range	0.5-4.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥20dB	
VSWR	Input ≤1.40	Output ≤1.30
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	86x60x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)


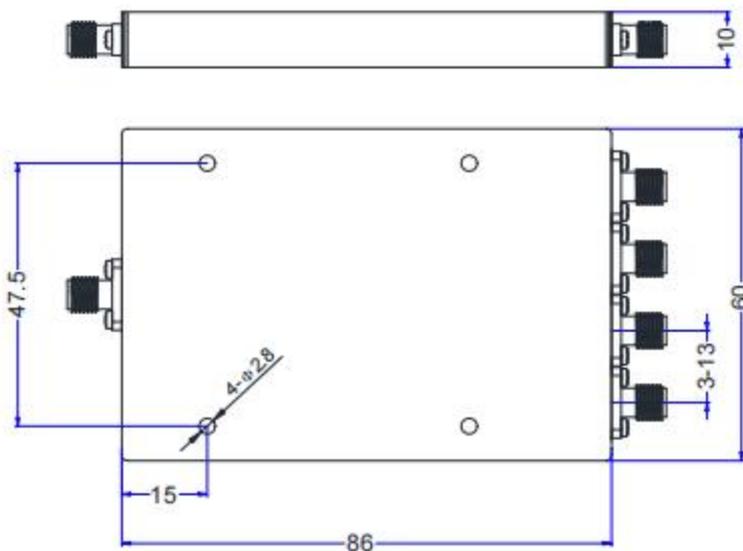
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M0560-4-SMAF

Electrical Specifications

Part Number	KTPD-M0560-4-SMAF	
Impedance	50Ω	
Frequency Range	0.5-6.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥20dB	
VSWR	Input ≤1.40	Output ≤1.30
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	86x60x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)

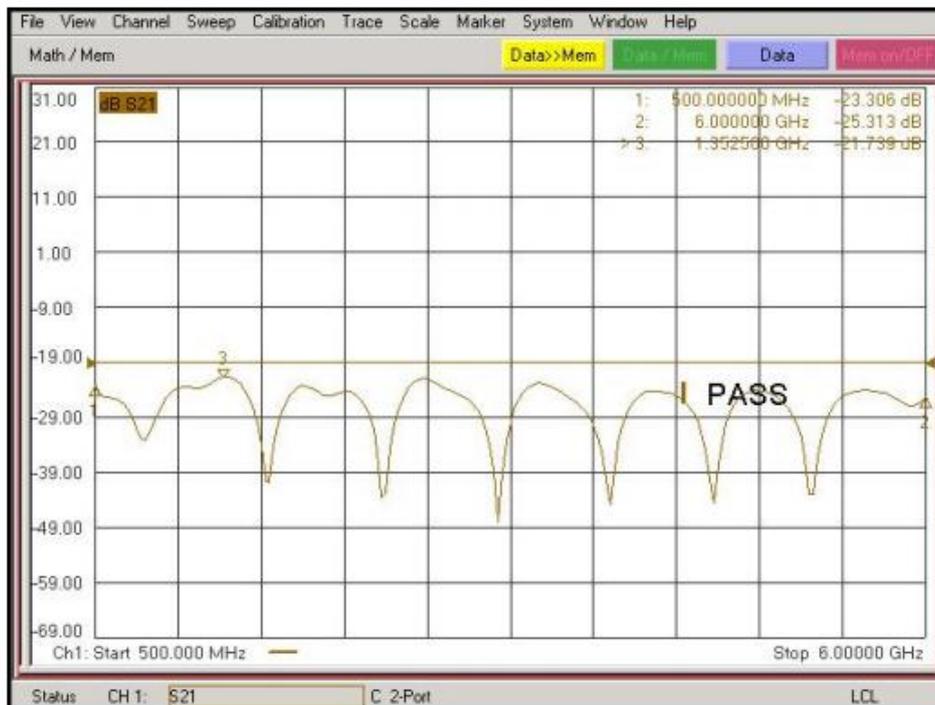


Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



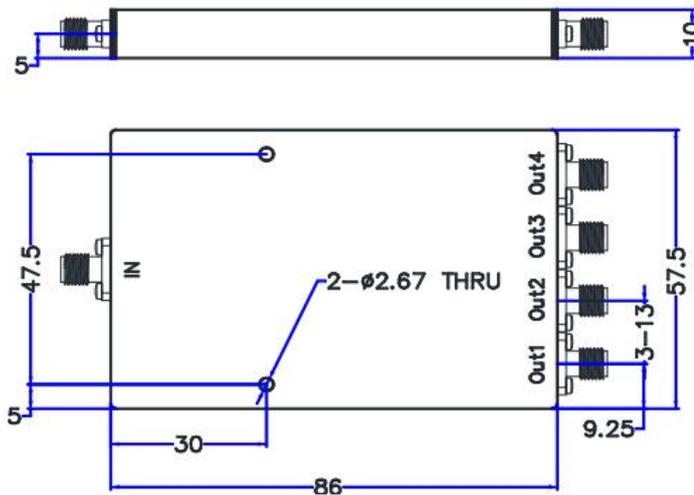
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M0580-4-SMAF

Electrical Specifications

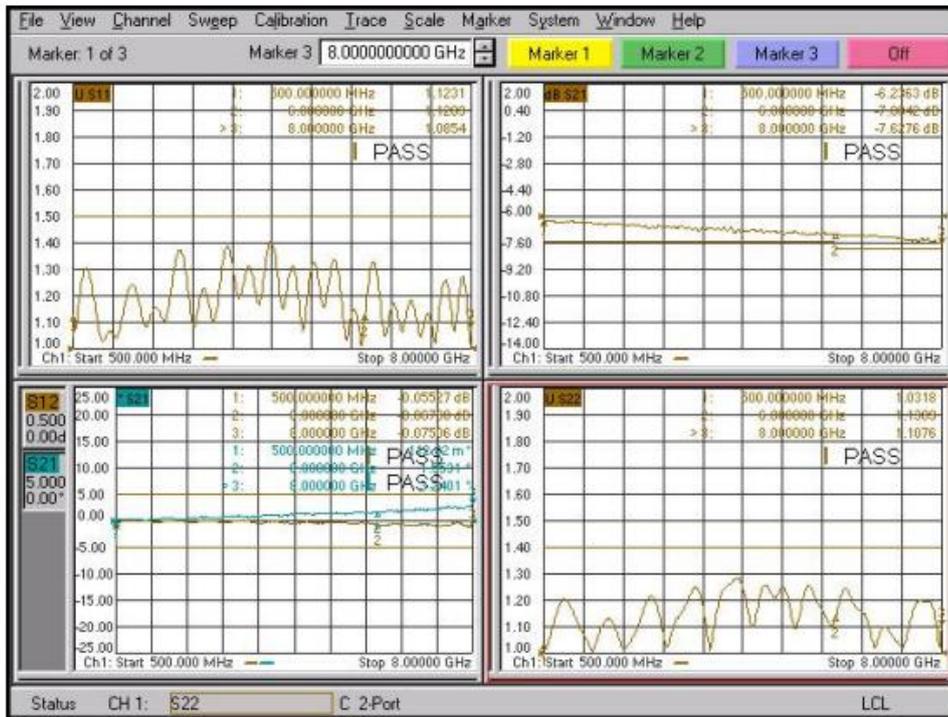
Part Number	KTPD-M0580-4-SMAF
Impedance	50Ω
Frequency Range	0.5-8.0GHz
Insertion Loss	≤1.6dB from 0.5-6.0GHz ≤2.0dB from 6.0-8.0GHz
Isolation	≥18dB
VSWR	Input ≤1.50 Output ≤1.40
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.5dB
Power Handling	30W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	86x57.5x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)

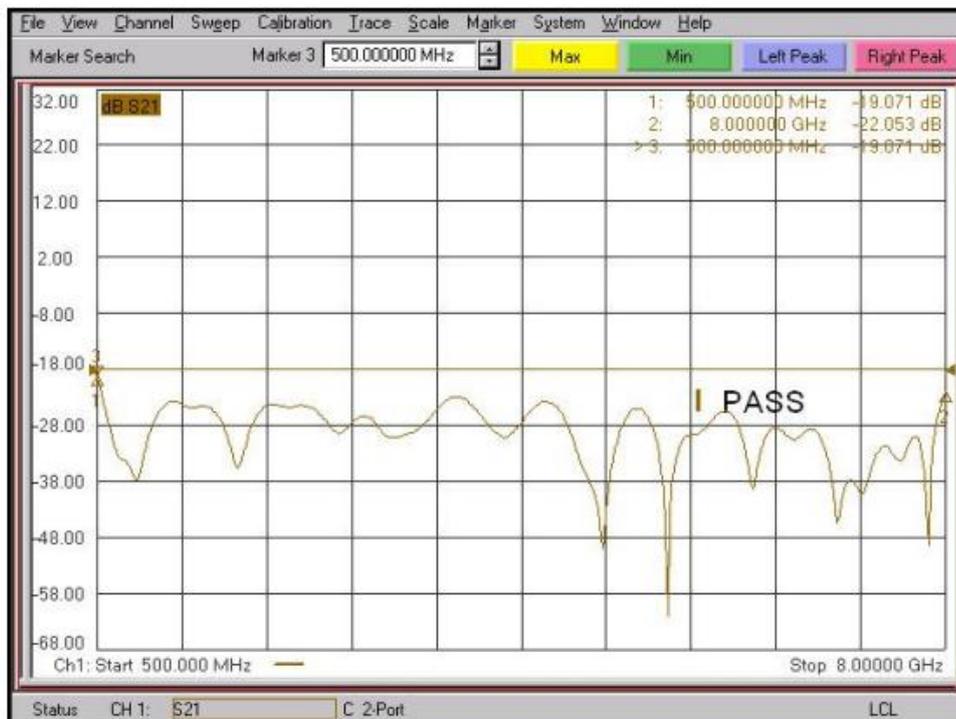


Test Curves

VSWR , I.L , Amplitude , Phase Balance

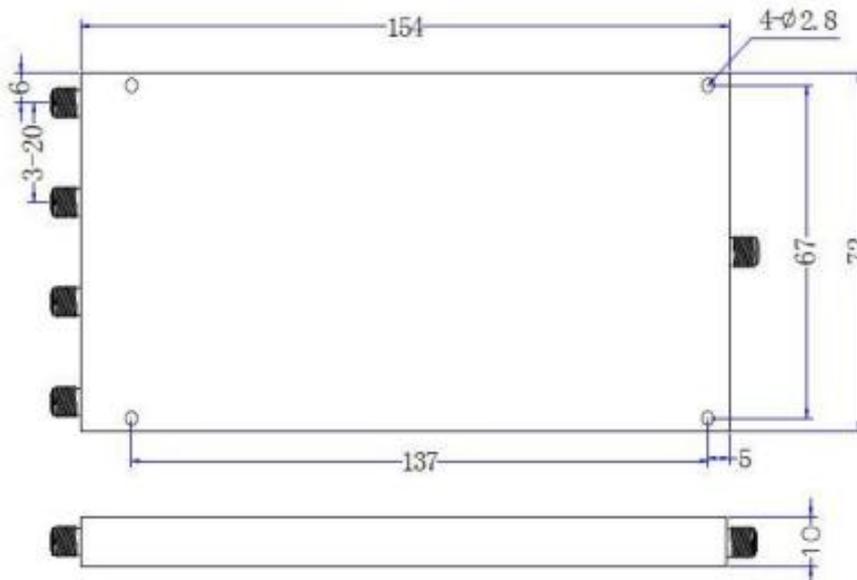


Isolation



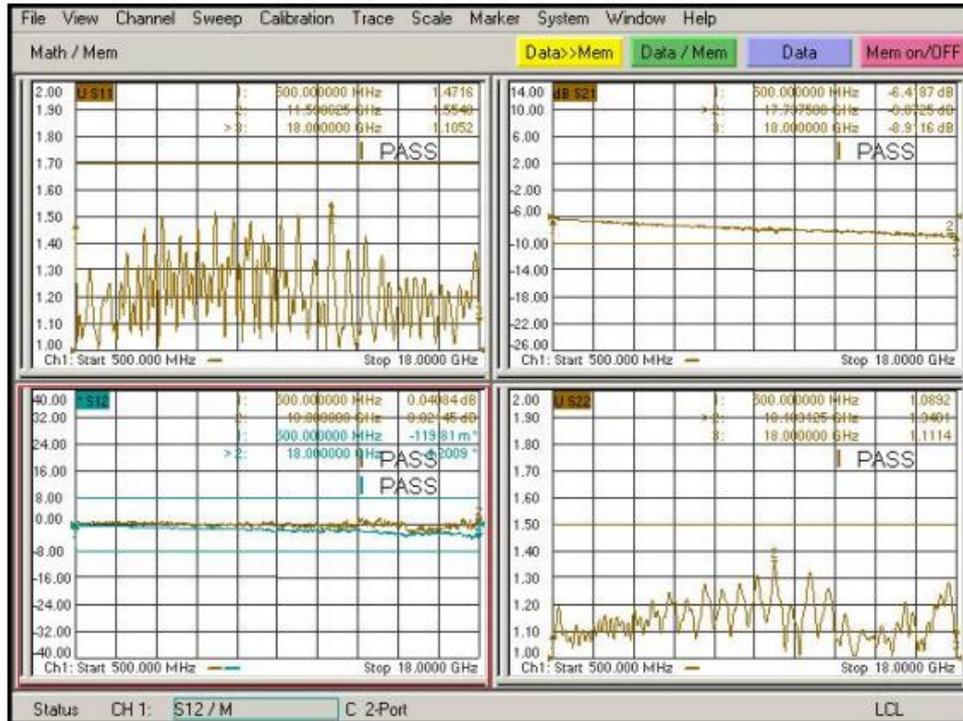
4 Ways RF Microstrip Power Divider
Part Number: KTPD-M05180-4-SMAF
Electrical Specifications

Part Number	KTPD-M05180-4-SMAF	
Impedance	50Ω	
Frequency Range	0.5-18.0GHz	
Insertion Loss	≤4.0dB	
Isolation	≥16dB	
VSWR	Input ≤1.70	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	154x72x10 mm	
Surface Finish	Grey Painting	

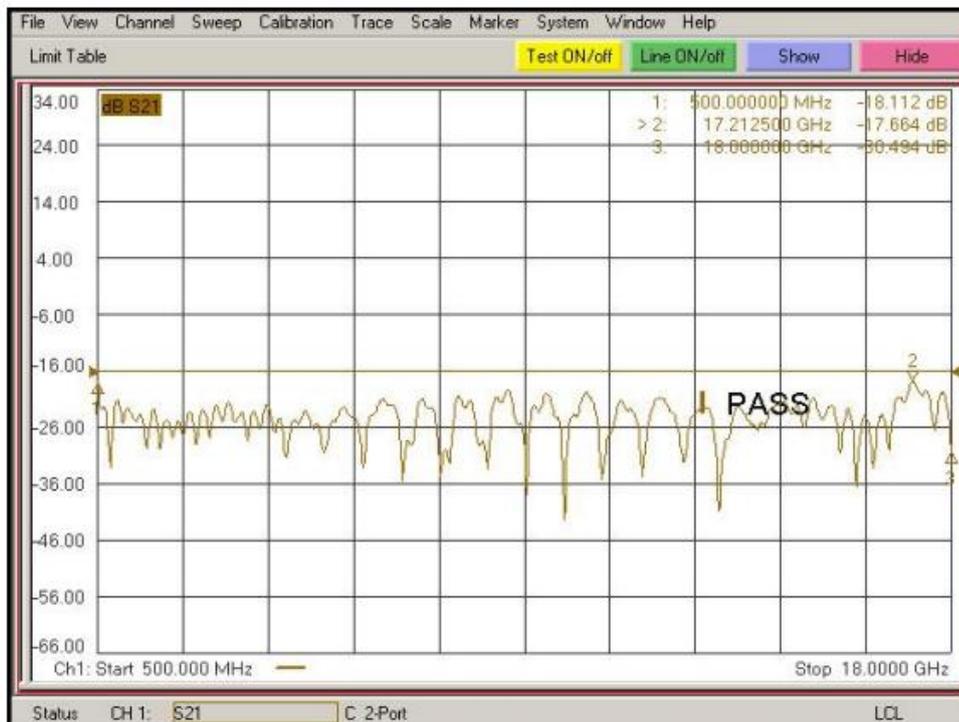
Outline Drawing (mm) (±0.5mm Tol.)


Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



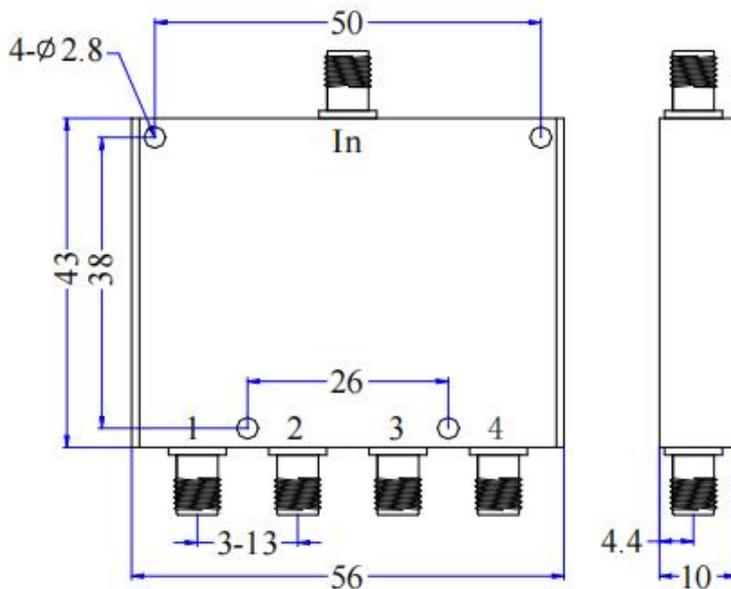
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M1040-4-SMAF

Electrical Specifications

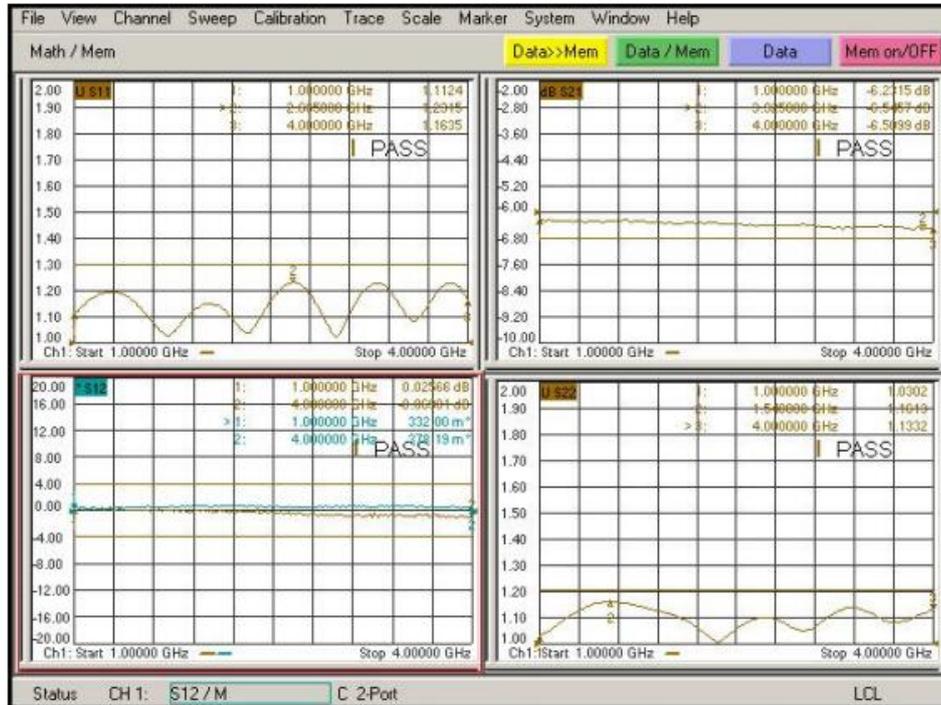
Part Number	KTPD-M1040-4-SMAF	
Impedance	50Ω	
Frequency Range	1.0-4.0GHz	
Insertion Loss	≤0.8dB	
Isolation	≥20dB	
VSWR	Input ≤1.30	Output ≤1.20
Phase Balance	≤ ±4 degree	
Amplitude Balance	≤ ±0.3dB	
Power Handling	30W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	56x43x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



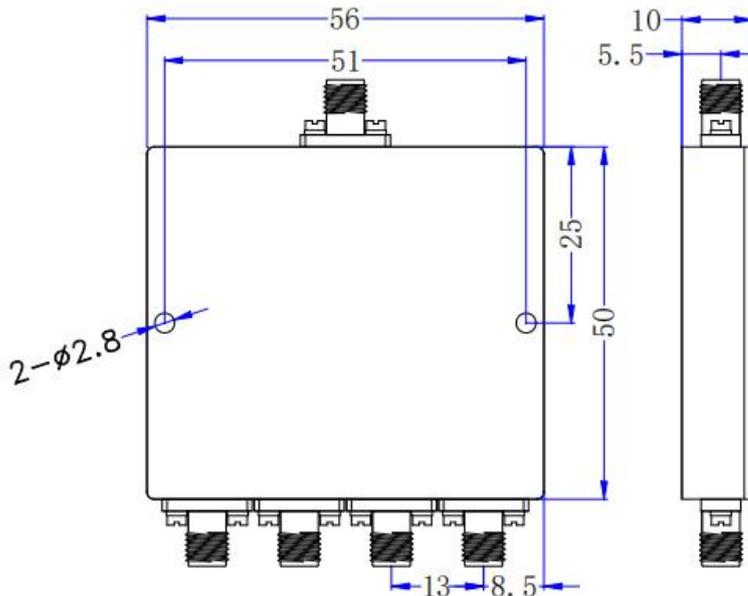
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M2040-4-SMAF

Electrical Specifications

Part Number	KTPD-M2040-4-SMAF	
Impedance	50Ω	
Frequency Range	2.0-4.0GHz	
Insertion Loss	≤0.8dB	
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	56x50x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



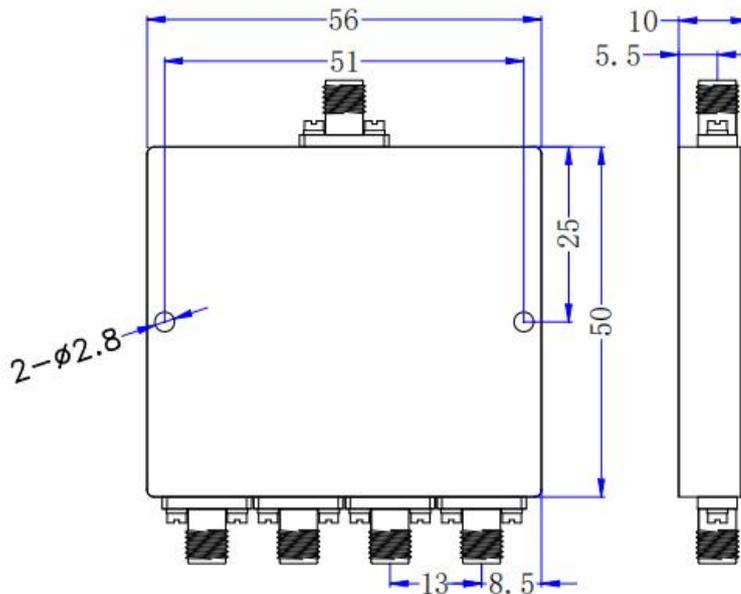
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-4-SMAF

Electrical Specifications

Part Number	KTPD-M2080-4-SMAF	
Impedance	50Ω	
Frequency Range	2.0-8.0GHz	
Insertion Loss	≤1.0dB	
Isolation	≥20dB	
VSWR	Input ≤1.40	Output ≤1.30
Phase Balance	≤ ±4 degree	
Amplitude Balance	≤ ±0.4dB	
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	56x50x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



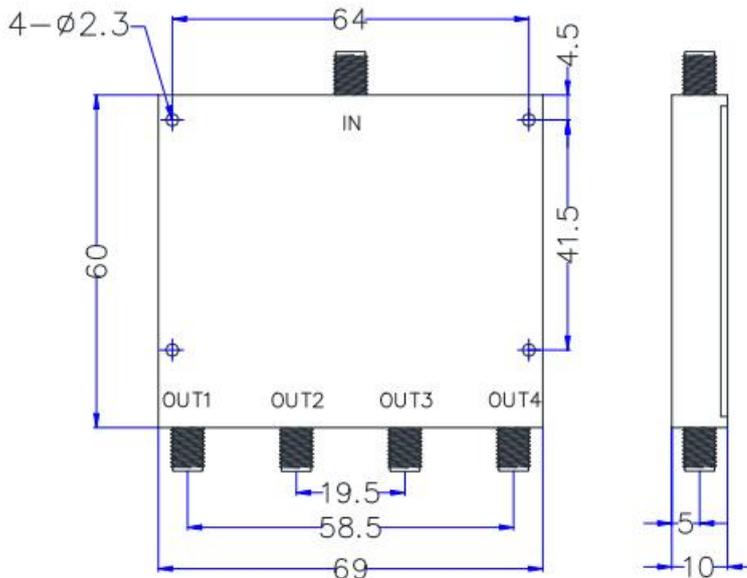
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M20180-4-SMAF

Electrical Specifications

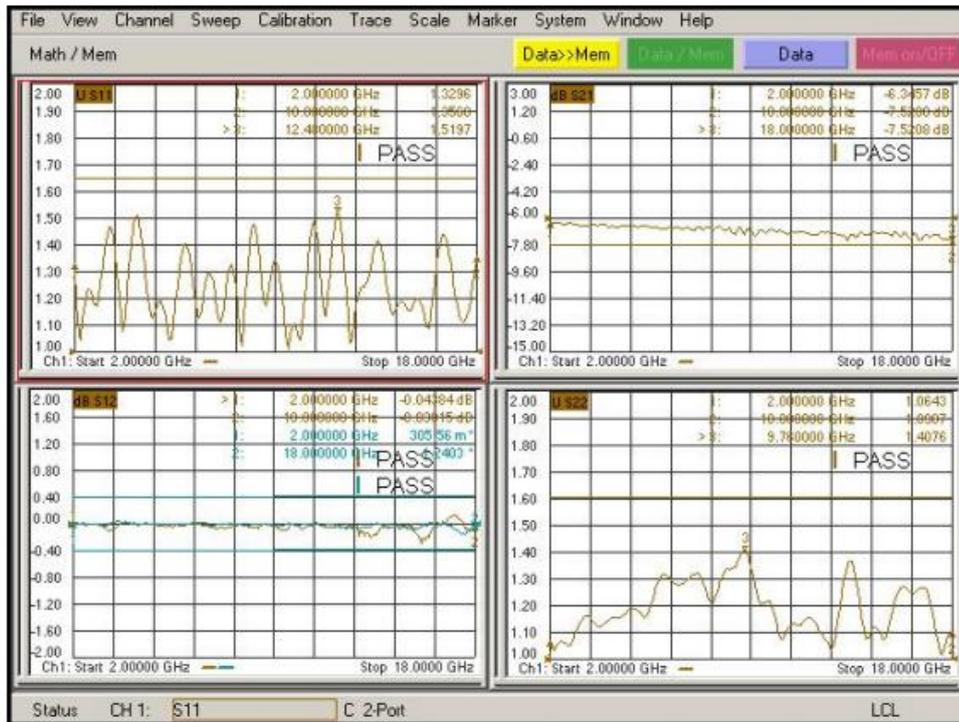
Part Number	KTPD-M20180-4-SMAF	
Impedance	50Ω	
Frequency Range	2.0-18.0GHz	
Insertion Loss	≤1.8dB	
Isolation	≥16dB	
VSWR	Input ≤1.65	Output ≤1.60
Phase Balance	≤ ±6 degree	
Amplitude Balance	≤ ±0.4dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	69x60x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)

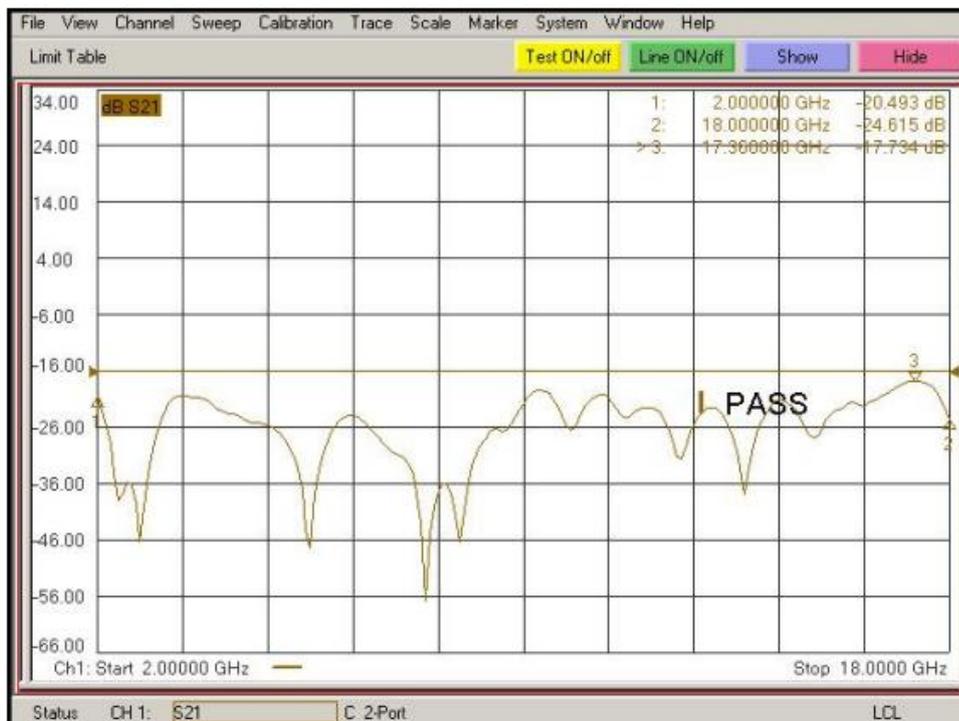


Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



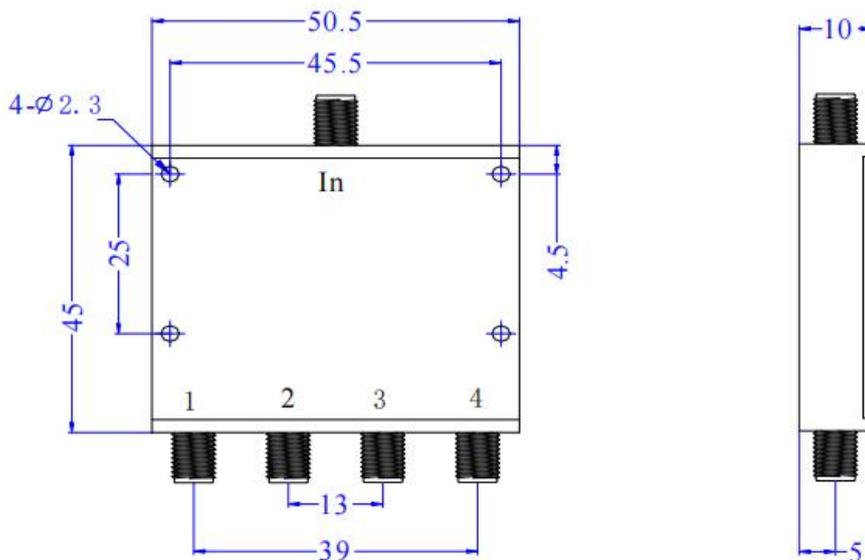
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M60180-4-SMAF

Electrical Specifications

Part Number	KTPD-M60180-4-SMAF	
Impedance	50Ω	
Frequency Range	6.0-18.0GHz	
Insertion Loss	≤1.2dB	
Isolation	≥18dB	
VSWR	Input ≤1.55	Output ≤1.45
Phase Balance	≤ ±6 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	50.5x45x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



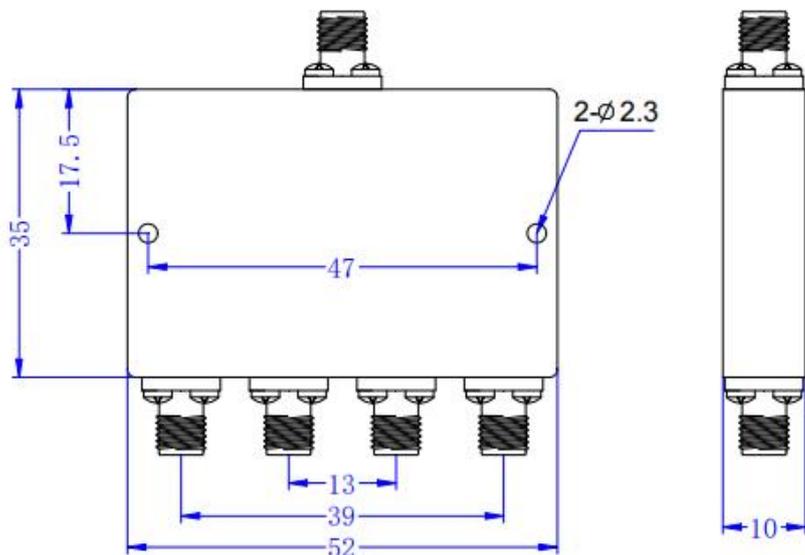
4 Ways RF Microstrip Power Divider

Part Number: KTPD-M60400-4-2.92F

Electrical Specifications

Part Number	KTPD-M60400-4-2.92F	
Impedance	50Ω	
Frequency Range	6.0-40.0GHz	
Insertion Loss	≤1.8dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.60
Phase Balance	≤ ±8 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	52x35x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



4 Ways RF Microstrip Power Divider

Part Number: KTPD-M180400-4-2.92F

Electrical Specifications

Part Number	KTPD-M180400-4-2.92F	
Impedance	50Ω	
Frequency Range	18.0-40.0GHz	
Insertion Loss	≤1.6dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.60
Phase Balance	≤ ±6 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	52x35x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)

