

6 Ways RF Microstrip Power Divider

Features

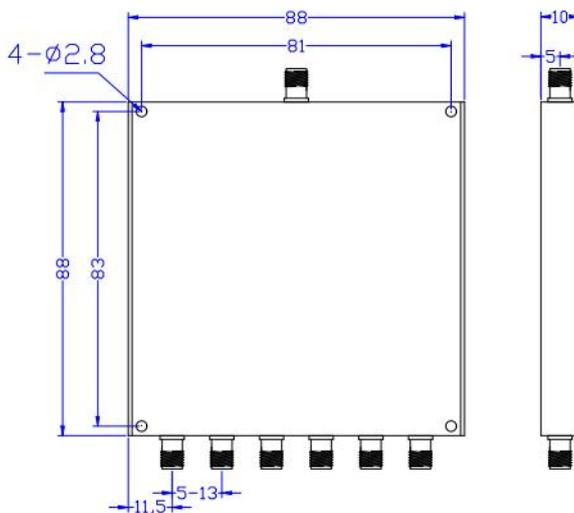
- ◆ Ultra Broadband, Excellent Phase and Amplitude Balance
- ◆ Widely Used in Wireless Systems to Divide Power across Equally across the System
- ◆ RoHS Compliant

Part Number: KTPD-M0520-6-SMAF

Electrical Specifications

Part Number	KTPD-M0520-6-SMAF	
Impedance	50Ω	
Frequency Range	0.5-2.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥20dB	
VSWR	Input ≤1.40	Output ≤1.30
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	88x88x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



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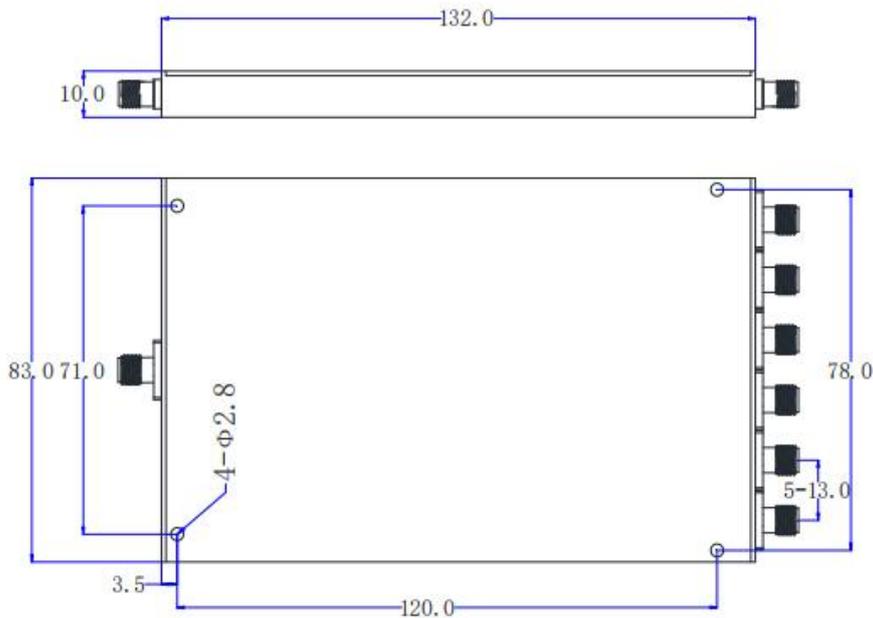
6 Ways RF Microstrip Power Divider

Part Number: KTPD-M0560-6-SMAF

Electrical Specifications

Part Number	KTPD-M0560-6-SMAF	
Impedance	50Ω	
Frequency Range	0.5-6.0GHz	
Insertion Loss	≤2.5dB	
Isolation	≥16dB	
VSWR	Input ≤1.50	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	132x83x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



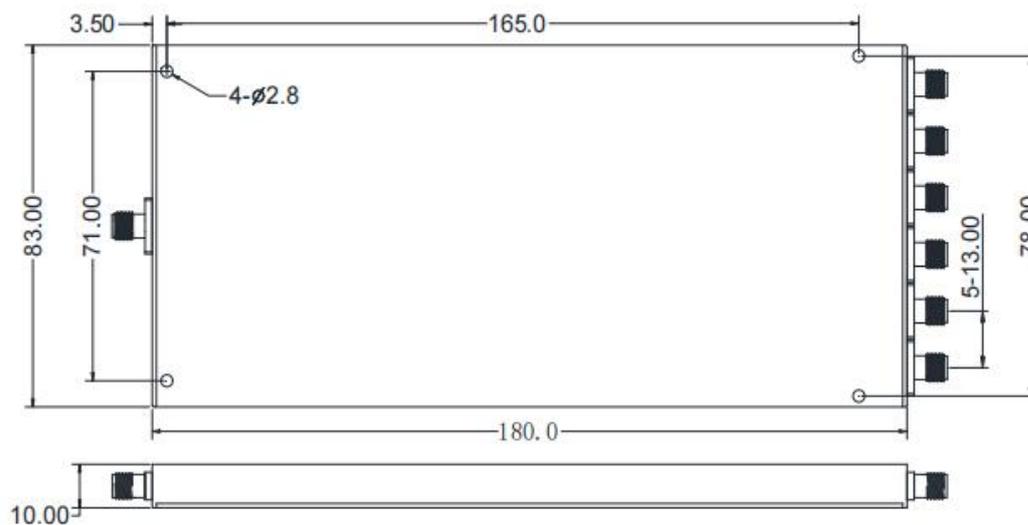
6 Ways RF Microstrip Power Divider

Part Number: KTPD-M0580-6-SMAF

Electrical Specifications

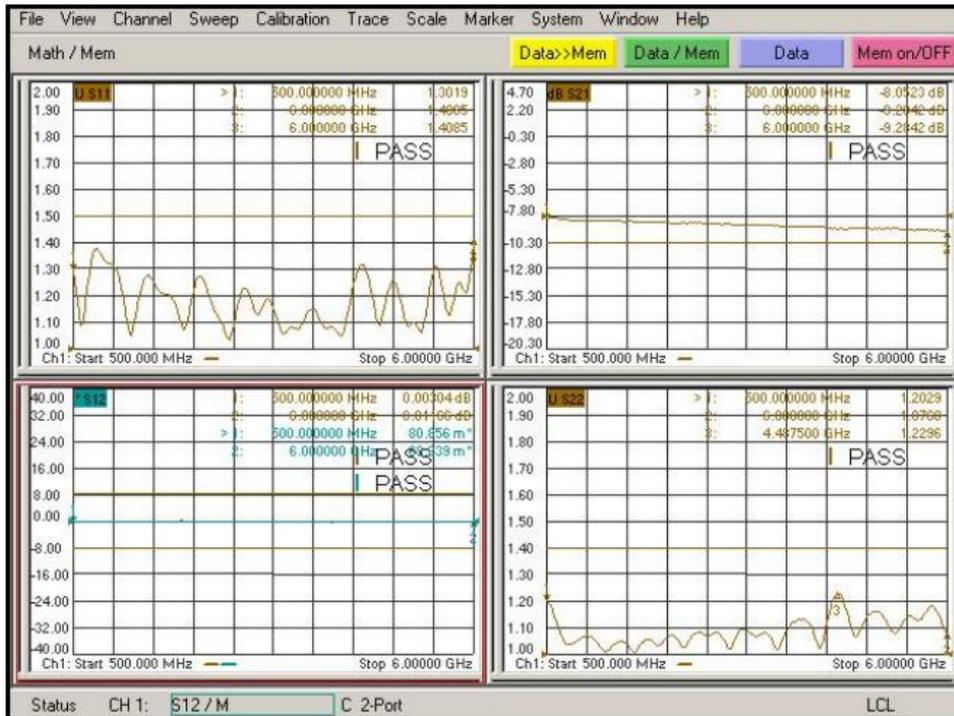
Part Number	KTPD-M0580-6-SMAF	
Impedance	50Ω	
Frequency Range	0.5-8.0GHz	
Insertion Loss	≤3.5dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.50
Phase Balance	≤ ±10 degree	
Amplitude Balance	≤ ±1.0dB	
Power Handling	20W (Forward Power)	1W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	180x83x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)

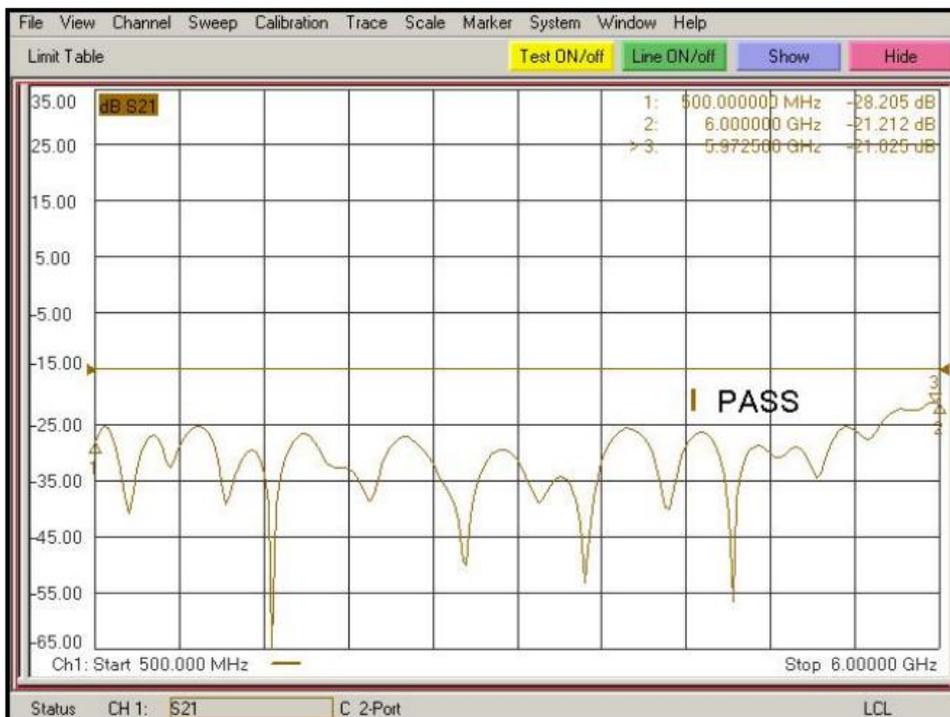


Test Curves

VSWR , I.L , Amplitude , Phase Balance

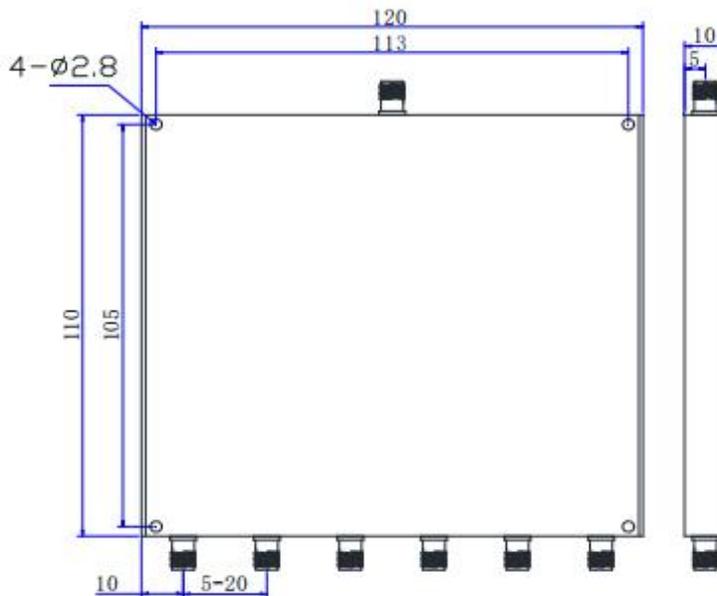


Isolation



6 Ways RF Microstrip Power Divider
Part Number: KTPD-M0730-6-SMAF
Electrical Specifications

Part Number	KTPD-M0730-6-SMAF	
Impedance	50Ω	
Frequency Range	0.7-3.0GHz	
Insertion Loss	≤1.6dB	
Isolation	≥20dB	
VSWR	Input ≤1.60	Output ≤1.40
Phase Balance	≤ ±6 degree	
Amplitude Balance	≤ ±0.6dB	
Power Handling	30W (Forward Power)	2W (Reverse Power)
Connector	SMA - Female	
Operating Temperature	-40 °C ~ +80 °C	
Storage Temperature	-45 °C ~ +85 °C	
Body Dimension	120x110x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)


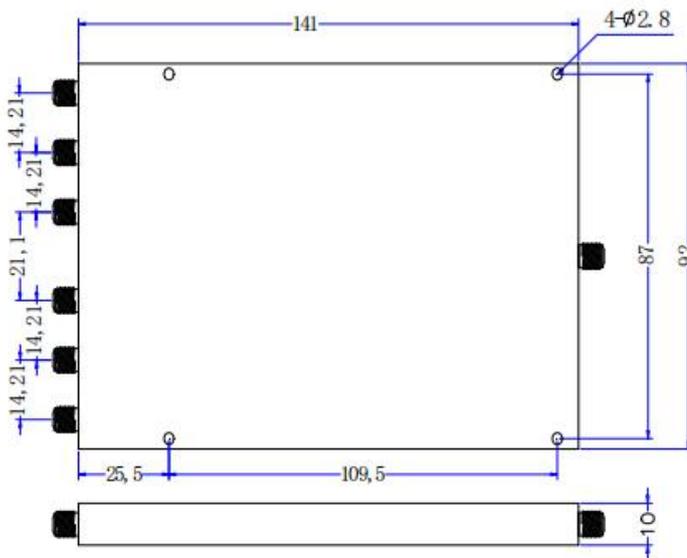
6 Ways RF Microstrip Power Divider

Part Number: KTPD-M08180-6-SMAF

Electrical Specifications

Part Number	KTPD-M08180-6-SMAF	
Impedance	50Ω	
Frequency Range	0.8-18.0GHz	
Insertion Loss	≤4.0dB	
Isolation	≥16dB	
VSWR	Input ≤1.80	Output ≤1.60
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	141x92x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



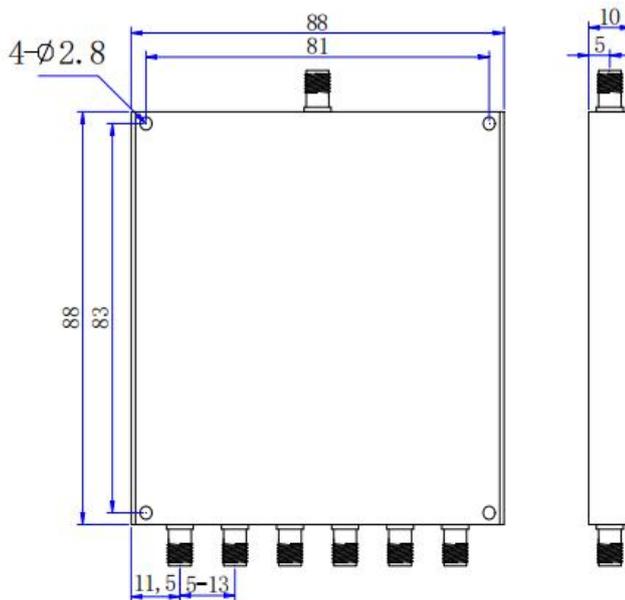
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Part Number: KTPD-M1040-6-SMAF

Electrical Specifications

Part Number	KTPD-M1040-6-SMAF	
Impedance	50Ω	
Frequency Range	1.0-4.0GHz	
Insertion Loss	≤1.5dB	
Isolation	≥20dB	
VSWR	Input ≤1.40	Output ≤1.30
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	88x88x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)



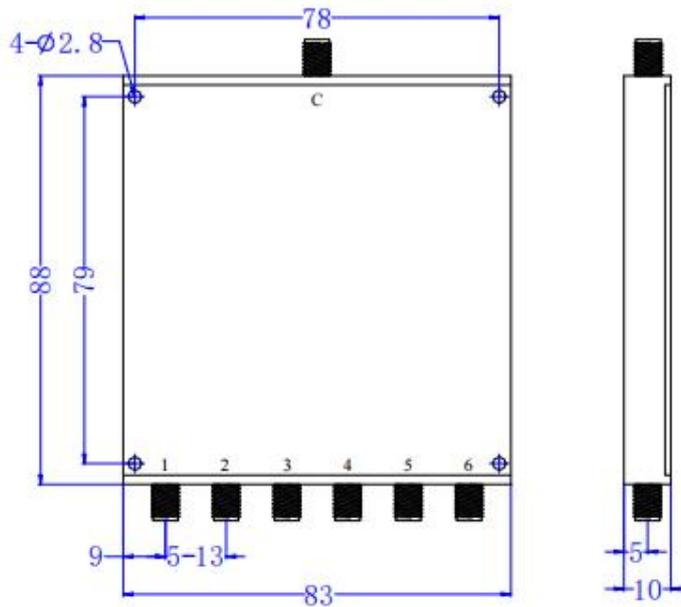
6 Ways RF Microstrip Power Divider

Part Number: KTPD-M2080-6-SMAF

Electrical Specifications

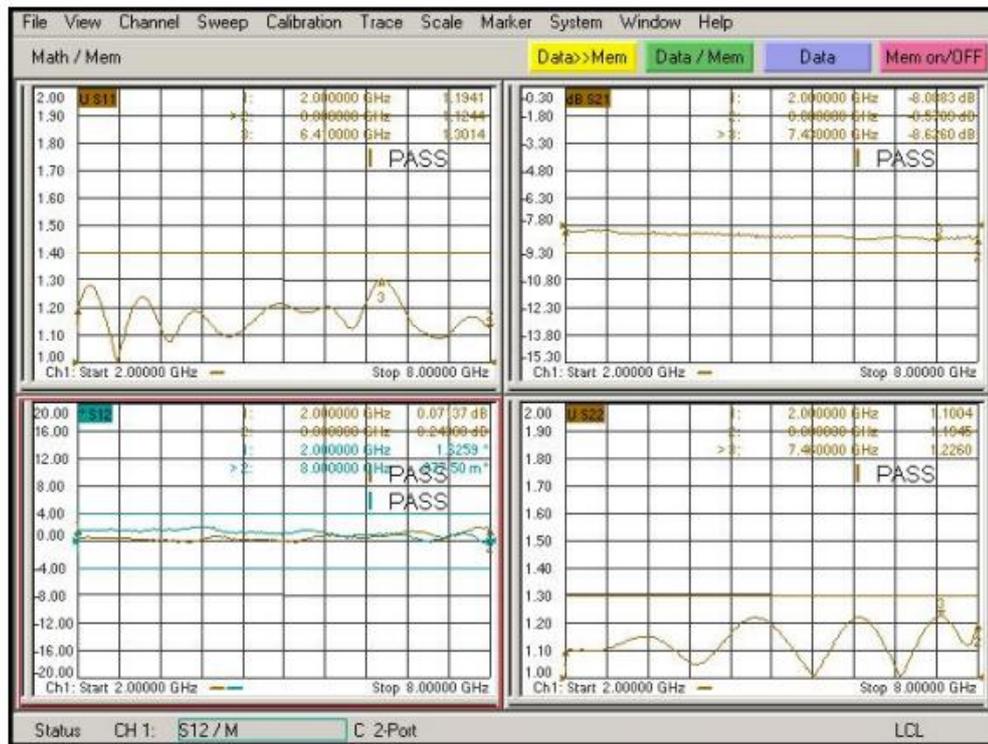
Part Number	KTPD-M2080-6-SMAF
Impedance	50Ω
Frequency Range	2.0-8.0GHz
Insertion Loss	≤1.5dB
Isolation	≥18dB
VSWR	≤1.40
Phase Balance	≤ ±5 degree
Amplitude Balance	≤ ±0.8dB
Power Handling	20W (Forward Power) 1W (Reverse Power)
Connector	SMA - Female
Operating Temperature	-40 °C ~ +80 °C
Storage Temperature	-45 °C ~ +85 °C
Body Dimension	88x83x10 mm
Surface Finish	Grey Painting

Outline Drawing (mm) (±0.5mm Tol.)



Test Curves

VSWR , I.L , Amplitude , Phase Balance



Isolation



6 Ways RF Microstrip Power Divider

Part Number: KTPD-M20180-6-SMAF

Electrical Specifications

Part Number	KTPD-M20180-6-SMAF	
Impedance	50Ω	
Frequency Range	2.0-18.0GHz	
Insertion Loss	≤2.2dB	
Isolation	≥18dB	
VSWR	Input≤1.80	Output≤1.50
Phase Balance	≤ ±8 degree	
Amplitude Balance	≤ ±0.7dB	
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	109x82x10 mm	
Surface Finish	Grey Painting	

Outline Drawing (mm) (±0.5mm Tol.)

