



2-WAY WIDE BAND POWER DIVIDER MPD020180S2M

FEATURE

- Operating Frequency:0.5~18GHz
- Stable Performance and High Reliability
- High Isolation
- Low Insertion Loss
- Small Phase&Amplitude Errors
- Operating Temperature:-55~+85°C



APPLICATIONS

- Communication system
- Radar&Warfare system
- Test Equipment

ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	2		18	GHz
Isolation	18			dB
Insertion Loss			1.0	dB
VSWR			1.4:1	Ratio
Phase Balance			±5	degree
Amplitude Balance			±0.5	dB
Power Handling(Forward)			10	Watt
Power Handling(Reversed)			1	Watt

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

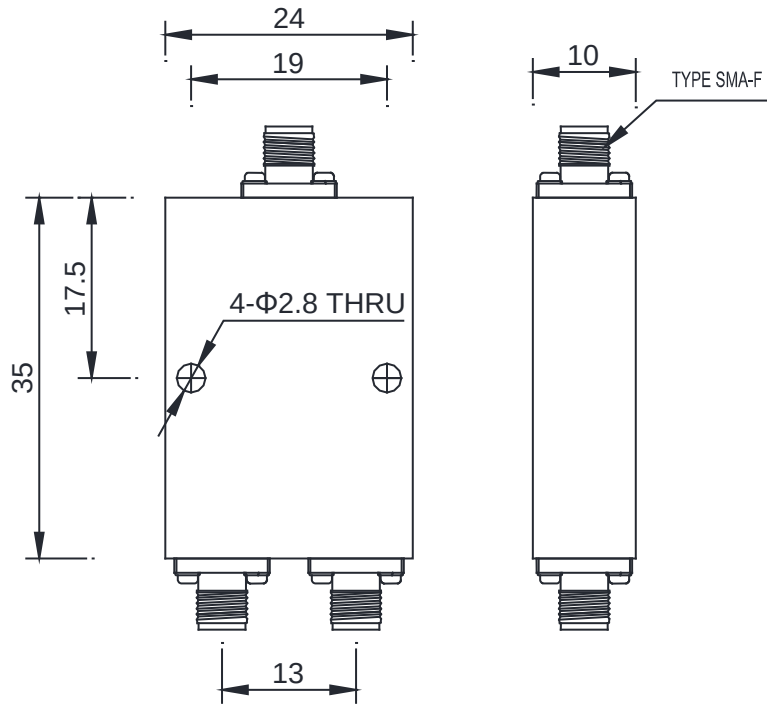
MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	24*35*10	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms



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OUTLINE DRAWING(mm):



2D33

TEST DATA:

	Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance	Phase Balance
Specs	2~18GHz	≤1.0dB	≥18dB	IN≤1.50:1	≤±0.5dB	≤±5°
S/N						
1	2~18GHz	0.88dB	20.9dB	1.43:1	0.24dB	1.4°