



2-WAY WIDE BAND POWER DIVIDER MPD070124S2L

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:

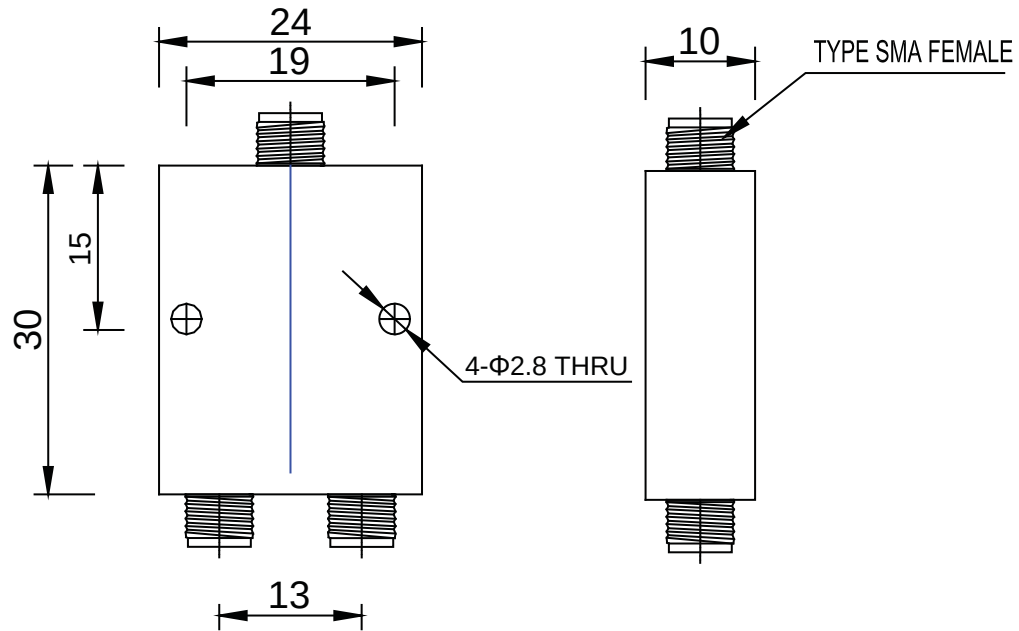
Parameter	Min	Typical	Max	Units
Frequency Range	7		12.4	GHz
Isolation	20			dB
Insertion Loss			0.5	dB
VSWR			1.4:1	Ratio
Phase Balance			±3	degree
Amplitude Balance			±0.3	dB
Power Handling(Forward)			20	watt
Power Handling(Reversed)			1	watt

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-55		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		90		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	24*30*10	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):**TEST DATA:**

S/N	Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance	Phase Balance
001	7~12.4GHz	0.44dB	22.5dB	1.35:1	0.10dB	1.5°
002	7~12.4GHz	0.45dB	21.9dB	1.33:1	0.11dB	1.3°
003	7~12.4GHz	0.45dB	23.5dB	1.31:1	0.09dB	1.8°
004	7~12.4GHz	0.44dB	23.8dB	1.35:1	0.07dB	1.4°
005	7~12.4GHz	0.47dB	23.1dB	1.32:1	0.09dB	1.9°
006	7~12.4GHz	0.45dB	22.8 dB	1.33:1	0.10dB	1.9°