



4-WAY WIDE BAND POWER DIVIDER MPD010180S4L

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	1		18	GHz
Isolation	14			dB
Insertion Loss			2.9	dB
VSWR			1.9:1	Ratio
Phase Balance			±10	degree
Amplitude Balance			±0.8	dB
Power Handling(Forward)			10	watt
Power Handling(Reversed)			1	watt

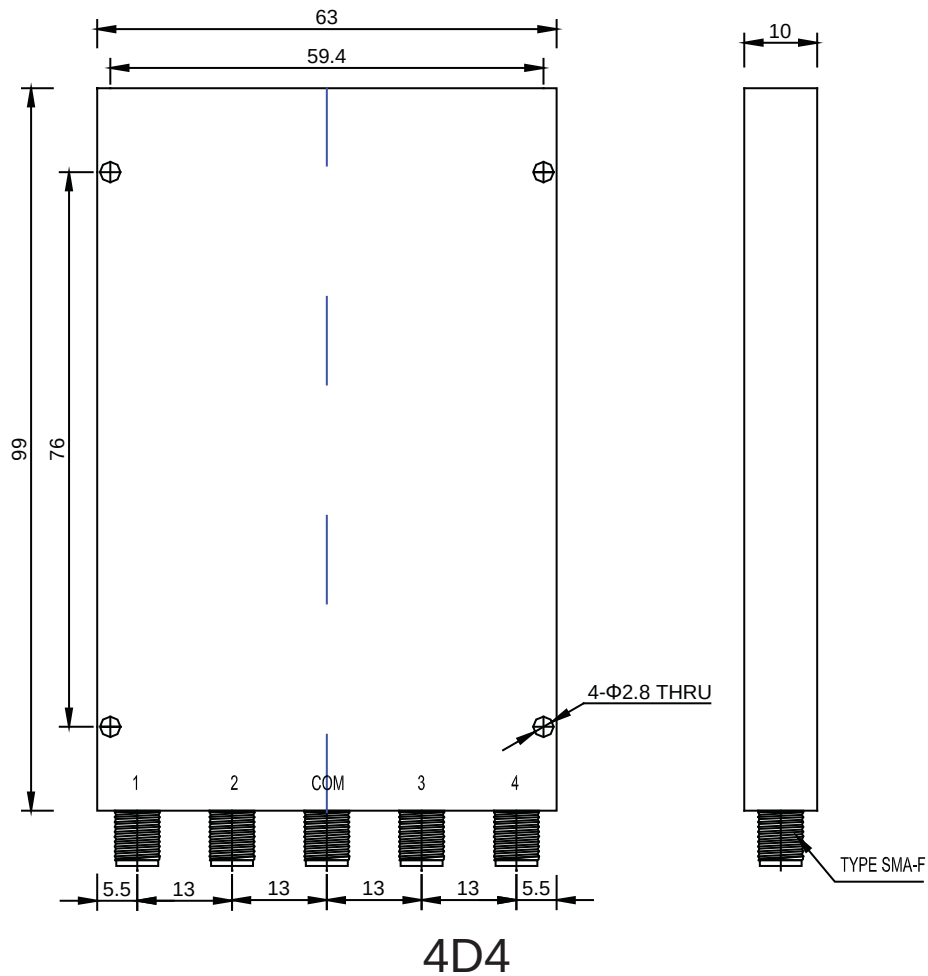
ENVIRONMENTAL RATINGS:

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	63*99*10	Max	Millimeter
Weight	60	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):



TEST DATA:

	Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance	Phase Balance
Specs	1~18GHz	≤2.9dB	≥14dB	≤1.90:1	≤±0.8dB	≤±10°
S/N						
1	1~18GHz	2.40dB	16.0dB	1.61:1	0.35dB	3.8°