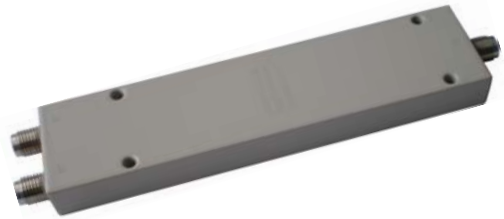




2-WAY WIDE BAND POWER DIVIDER MPD010180S2L

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	15			dB
Insertion Loss			1.6	dB
VSWR			1.6:1	Ratio
Phase Balance			±10	degree
Amplitude Balance			±0.5	dB
Power Handling(Forward)			10	watt
Power Handling(Reversed)			1	watt

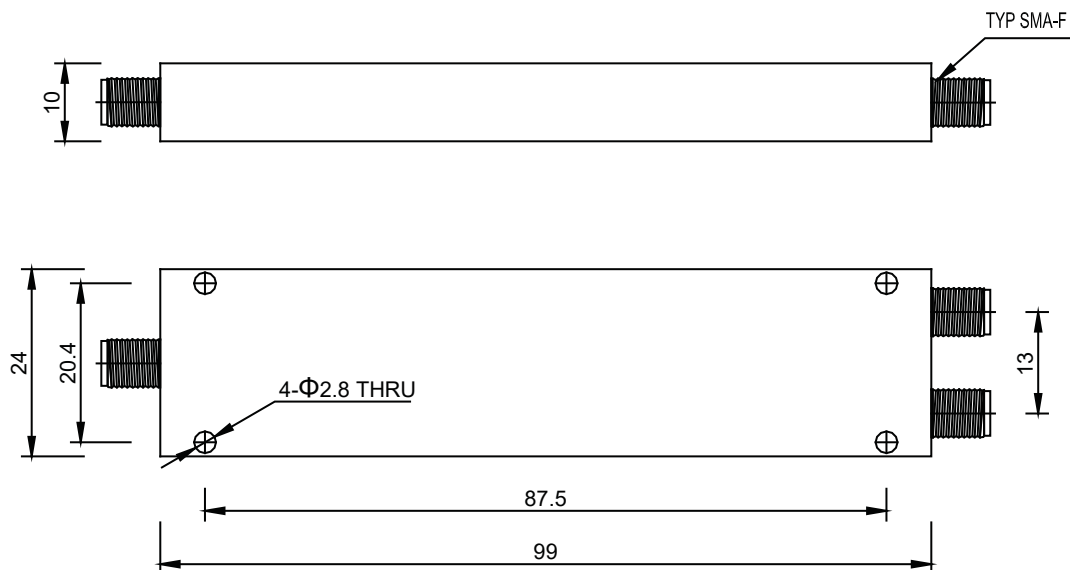
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-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	99*24*10	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):



2D10

TEST DATA:

Characteristic	Specification	Test Data
Part Number	MPD010180S2L	MPD010180S2L
Frequency Range	1-18GHz	1-18GHz
Isolation	15dB	15.7dB
Insertion Loss	1.6dB	1.38dB
VSWR	1.6:1	1.44:1
Phase Balance	$\pm 10^\circ$	4.3°
Amplitude Balance	$\pm 0.5\text{dB}$	$\pm 0.25\text{dB}$