

Power Divider

APD1G18G20W

Revision record

Date	Version	Author	Revision description	Comment
2024/09/18	V1.0	Vivian	Created	/

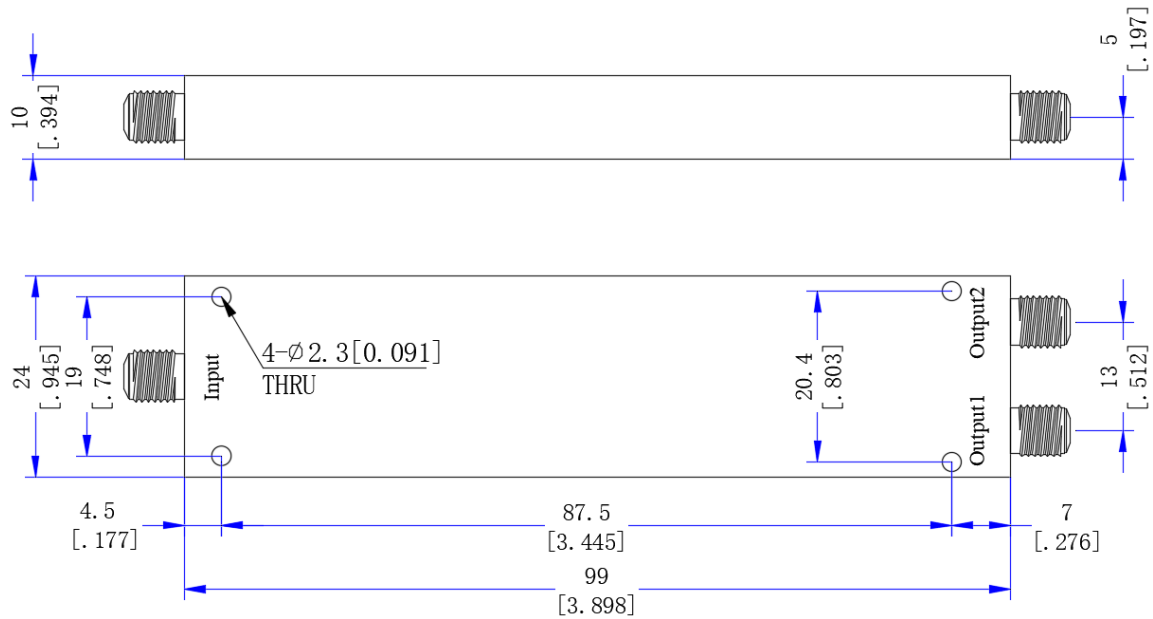
Electrical specification

Parameter	Specification
Frequency range	1.0-18.0GHz
Insertion loss	≤1.2dB (Excluding the theoretical loss 3.0dB)
VSWR	≤1.40
Isolation	≥16dB
Amplitude balance	≤0.3dB
Phase balance	±3°
Power handling (CW)	20W as splitter / 1W as combiner
Impedance	50Ω
Temperature range	-45°C to +85°C

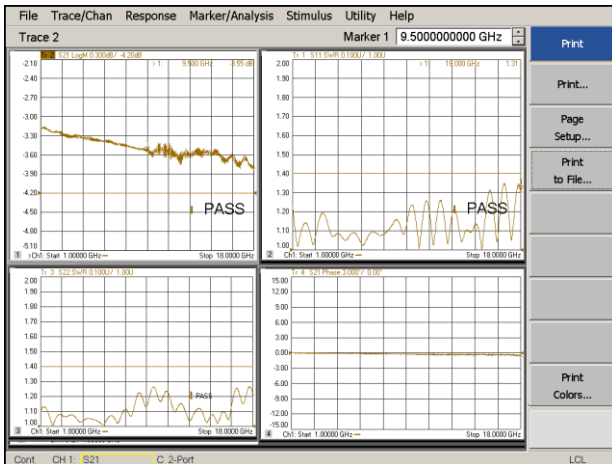
Mechanical specification

Parameter	Specification
Dimension	L x W x H: 99.0mm x 24.0mm x 10.0mm
Weight	<70g
Connectors	SMA-Female
Finish	Gray painting
Notes	Material shall be RoHS 6/6

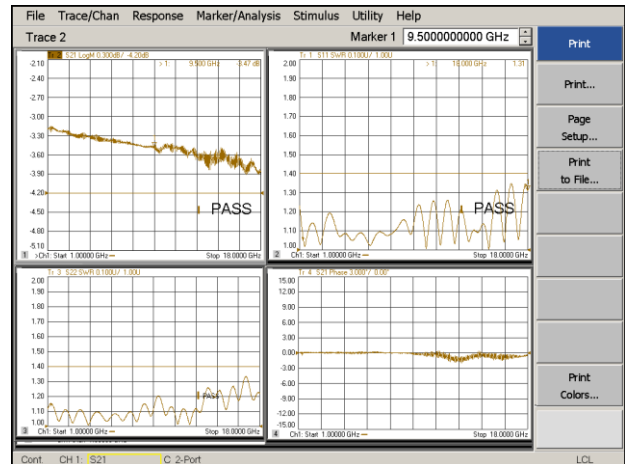
Outline



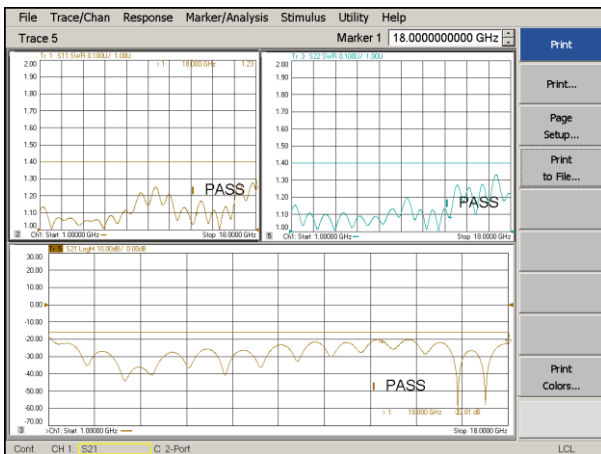
Test curve



The test curve of output1



The test curve of output2



The test curve of isolation