

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/12/21	C. Chen

## TECHNICAL DATA

### Electrical Data

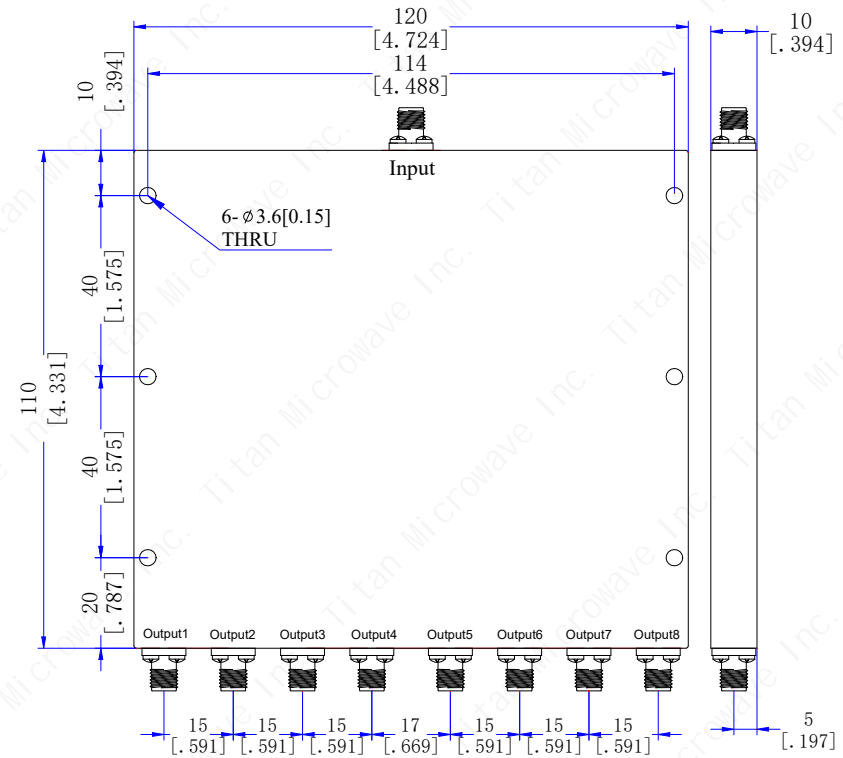
Frequency Range	1~18GHz
Insertion Loss (excluding theoretical loss 9.0dB)	4.5dB max
Input Port VSWR	1.40 typ, 1.60 max
Output Port VSWR	1.30 typ, 1.60 max
Isolation	16dB min
Amplitude Balance	±0.4dB
Phase Balance	±5°
Impedance	50 Ohms
Power Rating	10W(as a splitter) 1W(as a combiner)

### Mechanical Data

Input/Output Connectors	SMA-Female
Dimensions	120×110×10mm
Surface Finish	Black/Blue/Gray Painted
Weight	400g

### Environmental Data

Operating Temperature	-40℃~+85℃
-----------------------	-----------



DRAWN: L. Ma 21/12/22		
ENGINEER: J. Zhu 21/12/22		
APPROVED: C. Chen 21/12/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

**TITLE:**  
Power Divider  
8 Way, 1~18GHz, 10W,  
SMA-Female

**PART No.:**  
TMPD8-01001800-10S

**成都巨人微波**  
**TITAN MICROWAVE INC.**  
- A Professional RF & Microwave Components Supplier -

[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

<b>SIZE:</b> A4	<b>SCALE:</b>	<b>SHEET:</b> 1/1	<b>REV:</b> A
--------------------	---------------	----------------------	------------------

#### Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY