

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

## TECHNICAL DATA

### Electrical Data

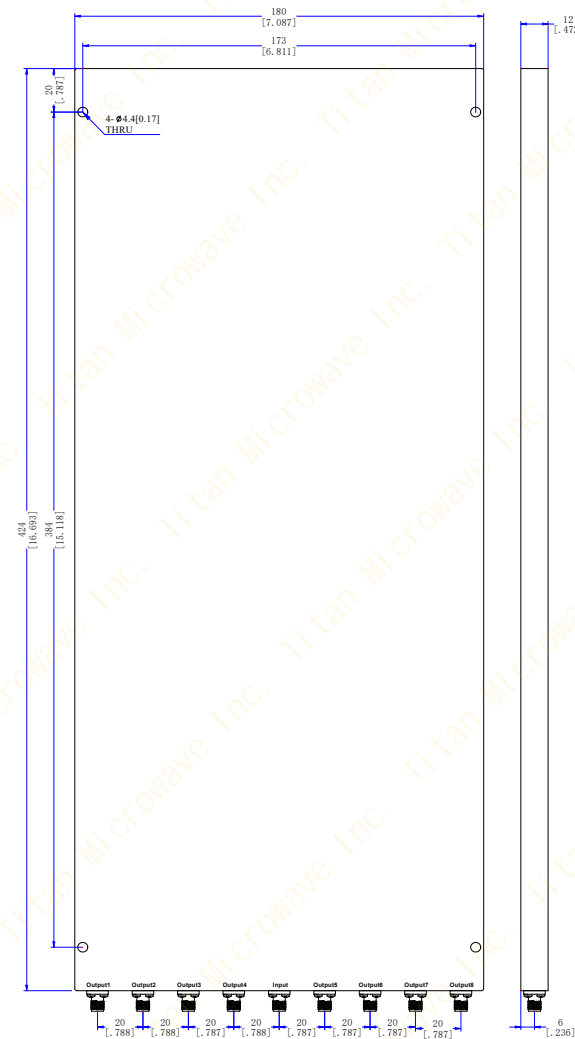
Frequency Range	0.5~8GHz
Insertion Loss (excluding theoretical loss 9.0dB)	5.0dB max
Input Port VSWR	1.80:1 max@500~650MHz 1.40:1 max@650~8000MHz
Output Port VSWR	1.15 typ, 1.30 max
Isolation	14dB min
Amplitude Balance	±0.3dB
Phase Balance	±8°
Impedance	50 Ohms
Power Rating	50W(as a splitter) 3W(as a combiner)

### Mechanical Data

Input/Output Connectors	SMA-Female
Dimensions	180×424×12mm
Surface Finish	Black/Blue/Gray Painted

### Environmental Data

Operating Temperature	-45℃~+70℃
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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, 0.5~8GHz, 50W,  
SMA-Female

**PART No.:**  
TMPD8-00500800-50S

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DIMENSIONS IN MILLIMETERS(mm)

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

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