

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

TECHNICAL DATA

► Electrical Data

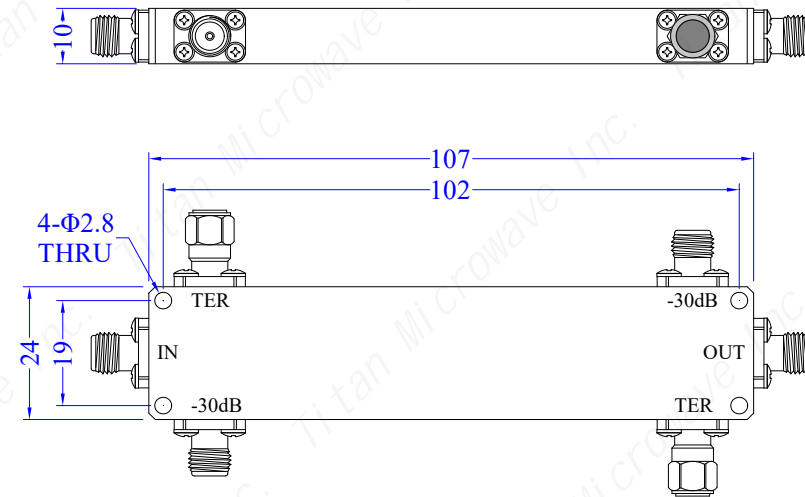
| | |
|------------------|---------------------------------------|
| Frequency Range | 0.5-6GHz |
| Nominal Coupling | 30±1.2dB max |
| Insertion Loss | 0.5dB max(including theoretical loss) |
| VSWR Primary | 1.3:1 max |
| VSWR Secondary | 1.3:1 max |
| Isolation | 42dB min |
| Impedance | 50 Ohms |
| Average Power | 100W(design assurance) |

► Mechanical Data

| | |
|-------------------------|----------------------|
| Input/Output Connectors | SMA-Female |
| Coupled Connector | SMA-Female |
| Connectors Material | Stainless Steel |
| Housing Material | Aluminum 6061 |
| Dimensions | 107×24×10mm |
| Surface Finish | Conductive Oxidation |

► Environmental Data

| | |
|-----------------------|-------------------------------|
| Operating Temperature | -45°C~+85°C(design assurance) |
|-----------------------|-------------------------------|



Notes:

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

| | | |
|--------------------------------------|-------|----------|
| 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:
Dual Directional Coupler,
0.5-6GHz, Coupling 30dB,
100W,
SMA-Female

PART No.:
TDDC-00500600-30S100

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DIMENSIONS IN MILLIMETERS(mm)

| | | | |
|--------------------|---------------|----------------------|------------------|
| SIZE: A4 | SCALE: | SHEET: 1/1 | REV: A |
|--------------------|---------------|----------------------|------------------|