

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

TECHNICAL DATA

► Electrical Data

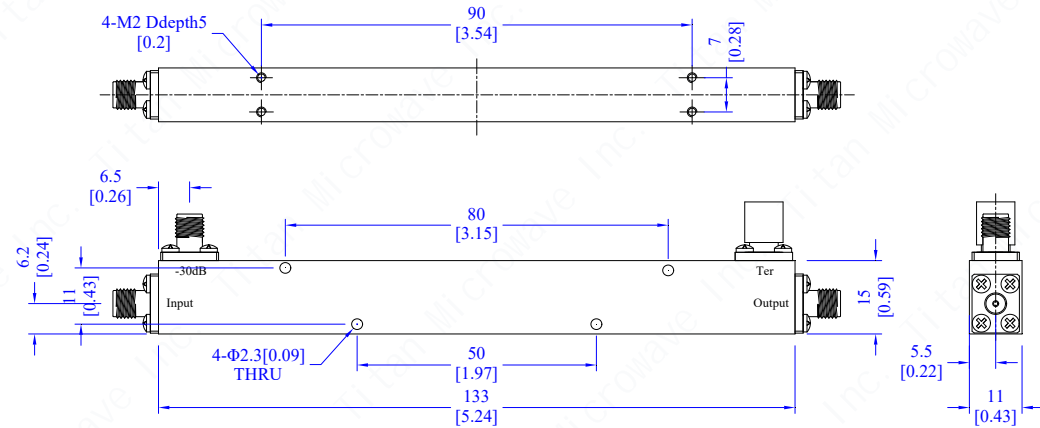
| | |
|-------------------|------------|
| Frequency Range | 0.5-2GHz |
| Coupling | 10±1dB |
| Amplitude Balance | ±0.7dB max |
| Directivity | 20dB min |
| Insertion Loss | 0.4dB max |
| VSWR Primary Line | 1.2:1 max |
| VSWR Coupled Line | 1.2:1 max |
| Power | 50W(CW) |

► Mechanical Data

| | |
|-------------------------|--------------|
| Input/Output Connectors | SMA-Female |
| Material | Aluminum |
| Surface Treatment | Gray Painted |
| Dimensions | 133×15×11mm |

► Environmental Data

| | |
|-----------------------|------------|
| Operating Temperature | -40℃~+85℃ |
| Storage Temperature | -50℃~+105℃ |



Notes:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. 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:

Directional Coupler,
0.5-2GHz, 10dB, 50W,
SMA-Female

PART No.:

TMDC-00500200-10S50



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DIMENSIONS IN MILLIMETERS(mm)

SIZE:
A4

SCALE:

SHEET:
1/1

REV:
A