

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|------------|----------|
| A | INITIAL RELEASE | C. Cai | 2024/10/10 | C. Chen |

TECHNICAL DATA

► Electrical Data

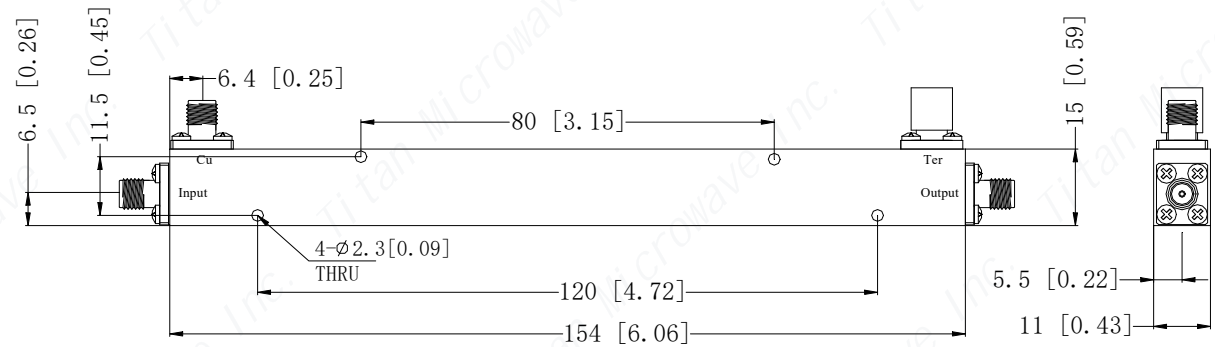
| | |
|------------------------------|------------------------|
| Frequency Range | 0.5-40GHz |
| Nominal Coupling | 20±2.5dB |
| Frequency Sensitivity | ±1.2dB typ, ±2.2dB max |
| Directivity | 10dB min |
| Insertion Loss(Ex. coupling) | 3.0dB max |
| VSWR Primary | 1.28:1 typ, 1.80:1 max |
| VSWR Secondary | 1.28:1 typ, 1.80:1 max |
| Average Power | 30W |

► Mechanical Data

| | |
|-------------------------|---------------|
| Input/Output Connectors | 2.92mm-Female |
| Material | Aluminum |
| Surface Treatment | Black Painted |
| Dimensions | 154×15×11mm |

► Environmental Data

| | |
|-----------------------|-----------|
| Operating Temperature | -45℃~+85℃ |
|-----------------------|-----------|



| | | |
|--------------------------------------|--|--|
| DRAWN: L. Ma 10/10/24 | | |
| ENGINEER: J. Zhu 10/10/24 | | |
| APPROVED: C. Chen 10/10/24 | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | |

| | | |
|--------|-------|----------|
| x | ±0.50 | [0.019"] |
| .x | ±0.20 | [0.008"] |
| .xx | ±0.10 | [0.004"] |
| ANGLES | ±1° | |

TITLE:
Directional Coupler, 0.5-40GHz, Coupling 20dB, 30W, 2.92mm-Female

PART No.:
TMDC-00504000-20K30



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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

Notes:

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