

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A | INITIAL RELEASE | C. Cai | 2025/4/30 | C. Chen |

TECHNICAL DATA

► Electrical Data

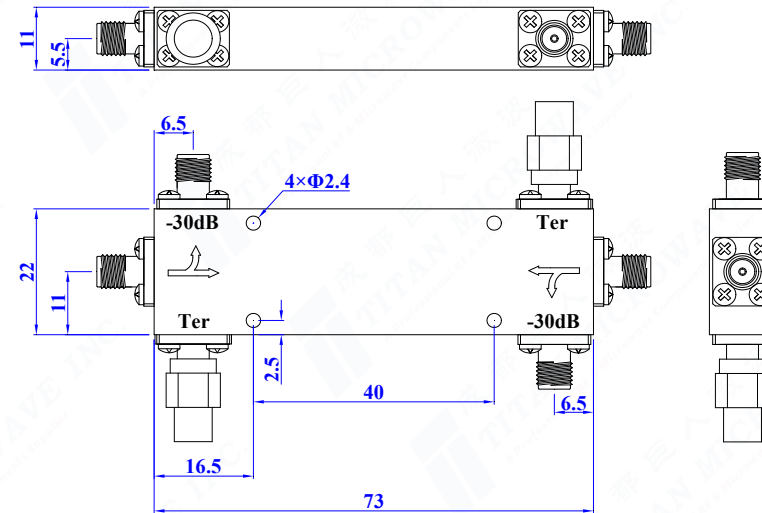
| | |
|--------------------|--------------|
| Frequency Range | 1~4GHz |
| Coupling | 30±1.0dB max |
| Coupling Flatness | ±0.5dB max |
| Insertion Loss | 0.35dB max |
| Primary Line VSWR | 1.2:1 max |
| Directivity | 20dB min |
| Impedance | 50 Ohms |
| Primary Line Power | 50W(CW) |

► Mechanical Data

| | |
|-------------------------|----------------------|
| Primary Line Connectors | SMA-Female |
| Coupled Connectors | SMA-Female |
| Housing Material | Aluminum |
| Surface Finish | Conductive Oxidation |
| Dimensions | 73×22×11mm |

► Environmental Data

| | |
|-----------------------|-----------|
| Operating Temperature | -55℃~+85℃ |
|-----------------------|-----------|



Notes:

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

| | | | | | |
|--------------------------------------|---|--|--|--|--|
| DRAWN: L. Ma 30/04/25 | TITLE: Dual Directional Coupler, 1~4GHz, 30dB, 50W, SMA-Female | <div><div><div></div><div></div></div><div>成都巨人微波 TITAN MICROWAVE INC. <small>- A Professional RF & Microwave Components Supplier -</small></div></div> <div>www.titan-microwave.com</div> | | | |
| ENGINEER: J. Zhu 30/04/25 | | | | | |
| APPROVED: C. Chen 30/04/25 | | | | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | | | | |
| x ±0.50 [0.019"] | PART No.: TDDC-01000400-30S50 | <div><div><div></div><div></div></div><div>DIMENSIONS IN MILLIMETERS(mm)</div></div> <div>SIZE: A4</div> <div>SCALE:</div> <div>SHEET: 1/1</div> <div>REV: A</div> | | | |
| .x ±0.20 [0.008"] | | | | | |
| .xx ±0.10 [0.004"] | | | | | |
| ANGLES ±1° | | | | | |