

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

## TECHNICAL DATA

### Electrical Data

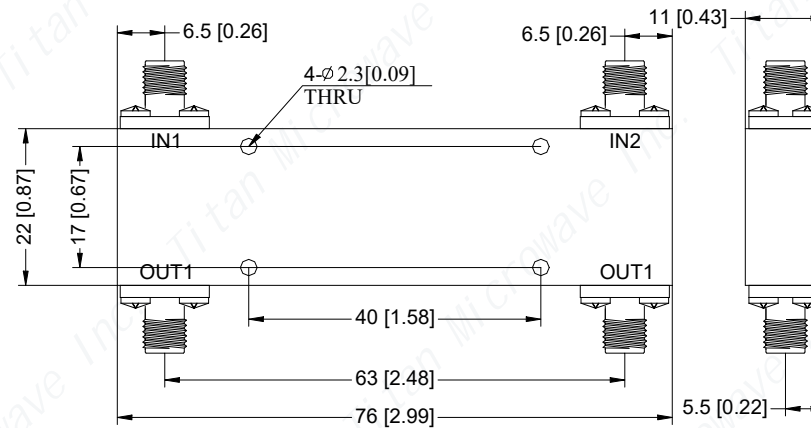
|                   |            |
|-------------------|------------|
| Frequency Range   | 1~3GHz     |
| Insertion Loss    | 0.6dB max  |
| VSWR              | 1.30:1 max |
| Isolation         | 20dB min   |
| Amplitude Balance | ±0.5dB max |
| Phase Balance     | ±1°        |
| Impedance         | 50 Ohms    |
| Power Rating(CW)  | 30W        |

### Mechanical Data

|                         |               |
|-------------------------|---------------|
| Input/Output Connectors | SMA-Female    |
| Dimensions              | 76×22×11mm    |
| Surface Finish          | Black Painted |

### Environmental Data

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



#### 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:**  
3dB 90 Deg. Hybrid  
Coupler, 1~3GHz, 30W,  
SMA-Female

**PART No.:**  
TMHC90-01000300-30S



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

|             |        |               |           |
|-------------|--------|---------------|-----------|
| SIZE:<br>A4 | SCALE: | SHEET:<br>1/1 | REV:<br>A |
|-------------|--------|---------------|-----------|