

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

TECHNICAL DATA

► Electrical Data

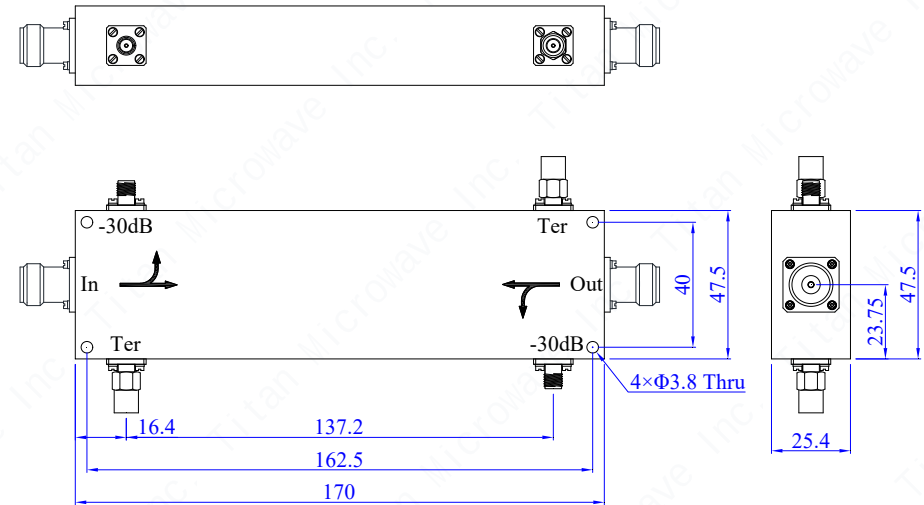
Frequency Range	0.5~18GHz
Coupling	30±1.2dB
Coupling Flatness	±1.5dB max
Insertion Loss	0.7dB max@0.5~8GHz, 1.0dB max@8~18GHz
Primary Line VSWR	1.4:1 max@0.5~8GHz, 1.5:1 max@8~18GHz
Coupled Line VSWR	1.5:1 max@0.5~8GHz, 1.6:1 max@8~18GHz
Directivity	12dB min@0.5~8GHz, 10dB max@8~18GHz
Impedance	50 Ohms
Primary Line Power	400W(CW), 3000W(PK)

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	170×47.5×25.4mm

► 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
ENGINEER: J. Zhu 30/04/25
APPROVED: C. Chen 30/04/25
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,
0.5~18GHz, 30dB, 400W,
N~Female & SMA-Female

PART No.:

TDDC-00501800-30NS400



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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