

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/3/24	C. Chen

TECHNICAL DATA

► Electrical Data

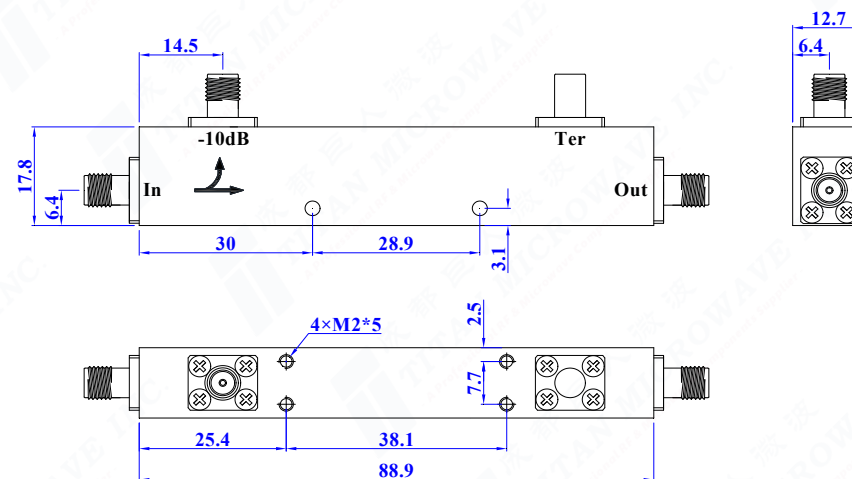
Frequency Range	0.8~12.75GHz
Nominal Coupling	10±0.5dB max
Coupling Flatness	±1.0dB max
Insertion Loss	1.5dB max(including coupling loss)
Primary Line VSWR	1.5:1 max
Directivity	13dB min
Impedance	50 Ohms
Primary Line Power	100W(CW)

► Mechanical Data

Input/Output Connectors	SMA-Female
Coupled Connector	SMA-Female
Body Material	Aluminum
Surface Finish	Conductive Oxide
Dimensions	88.9×17.8×12.7mm

► 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 24/03/25		
ENGINEER: J. Zhu 24/03/25		
APPROVED: C. Chen 24/03/25		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Single Directional Coupler,
0.8~12.75GHz
10dB, 100W
SMA-Female

PART No.:

TMDC-00801275-10S100



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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