

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

TECHNICAL DATA

► Electrical Data

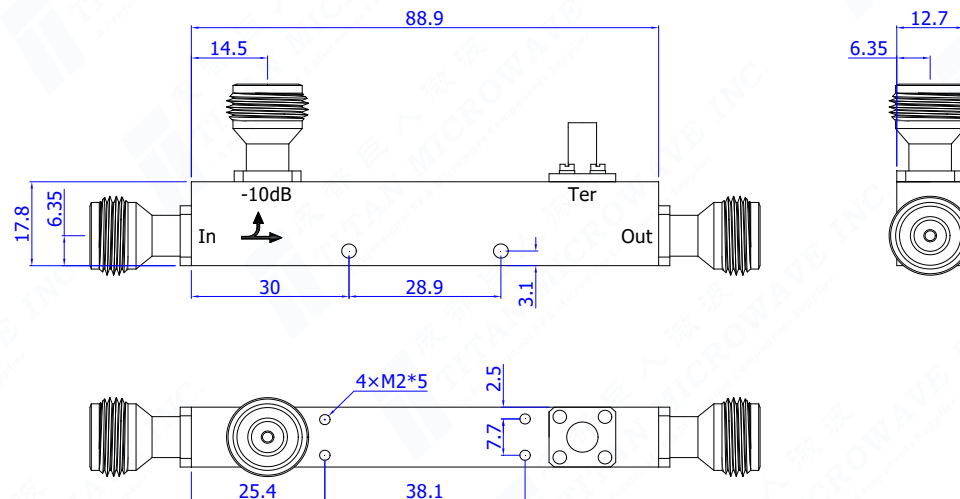
Frequency Range	0.8~12.75GHz
Nominal Coupling	10±1.0dB
Coupling Flatness	±1.0dB max
Insertion Loss	1.5dB max(including coupling loss)
Main Line VSWR	1.4:1 max
Directivity	15dB min
Impedance	50 Ohms
Main Line Power	100W

► Mechanical Data

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

► Environmental Data

Operating Temperature	-55℃~+85℃
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Notes:

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

DRAWN: L. Ma 24/03/25			TITLE: Single Directional Coupler, 0.8~12.75GHz 10dB, 100W N-Female		成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com			
ENGINEER: J. Zhu 24/03/25								
APPROVED: C. Chen 24/03/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED								
x ±0.50 [0.019"]			PART No.: TMDC-00801275-10N100		DIMENSIONS IN MILLIMETERS(mm)			
.x ±0.20 [0.008"]								
.xx ±0.10 [0.004"]								
ANGLES ±1°								
					SIZE: A4	SCALE:	SHEET: 1/1	REV: A