

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

TECHNICAL DATA

► Electrical Data

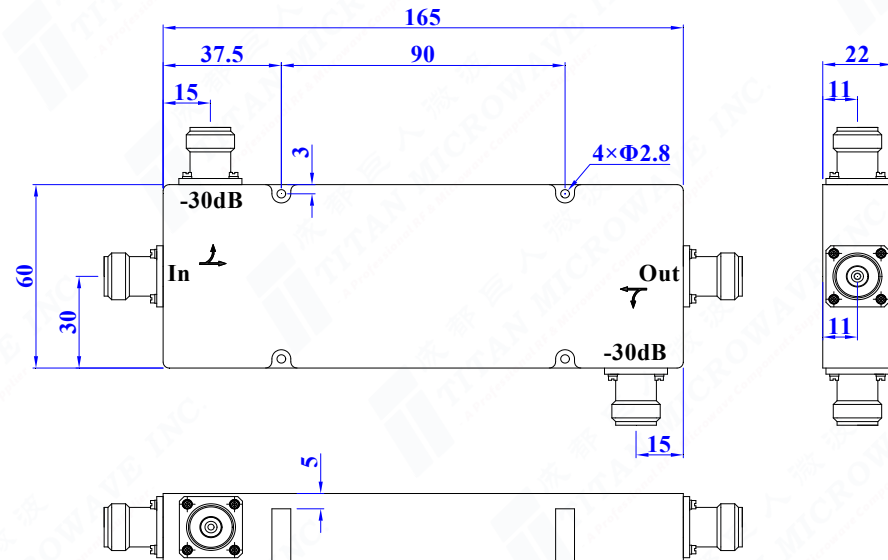
Frequency Range	700~2700MHz
Coupling	30±1.0dB
Coupling Flatness	±0.5dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Coupled Line VSWR	1.3:1 max
Directivity	18dB min
Impedance	50 Ohms
Primary Line Power	500W(CW)

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	N-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	165×60×22mm

► 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 30/04/25			TITLE: Dual Directional Coupler, 700~2700MHz, 30dB, 500W, N~Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -							
ENGINEER: J. Zhu 30/04/25				www.titan-microwave.com							
APPROVED: C. Chen 30/04/25											
TOLERANCE UNLESS OTHERWISE SPECIFIED				  DIMENSIONS IN MILLIMETERS(mm)							
x	±0.50	[0.019"]	PART No.: TDDC-00700270-30N500					SIZE: A4	SCALE:	SHEET: 1/1	REV: A
.x	±0.20	[0.008"]									
.xx	±0.10	[0.004"]									
ANGLES	±1°										