

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

## TECHNICAL DATA

### ► Electrical Data

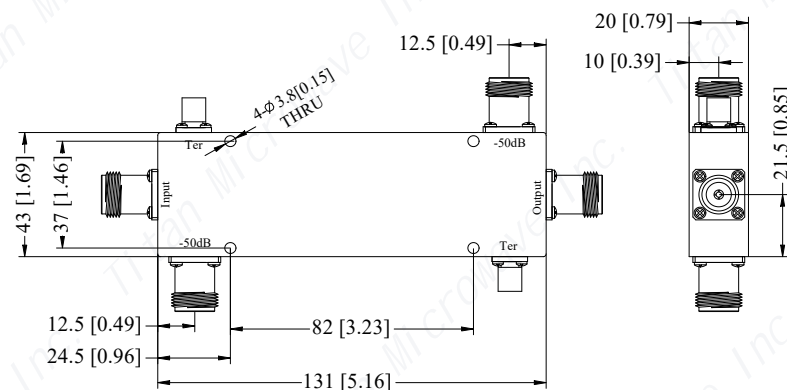
Frequency Range	0.5~6GHz
Nominal Coupling	50±2.0dB
Insertion Loss	0.5dB max
VSWR Primary	1.2:1 typ, 1.25:1 max
VSWR Secondary	1.2:1 typ, 1.25:1 max
Directivity	10dB min, 12dB typ
Frequency Sensitivity	±0.7dB typ, ±1.0dB max
Impedance	50 Ohms
Power Rating	250W

### ► Mechanical Data

Dimensions	131×43×20mm
Input/Output Connectors	N-Female
Coupled Connector	N-Female
Housing Material	Aluminum 6061
Surface Finishing	Gray Painted

### ► Environmental Data

Operating Temperature	-40℃~+70℃
Storage Temperature	-50℃~+85℃



#### Notes:

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

DRAWN: L. Ma 16/04/22		
ENGINEER: J. Zhu 16/04/22		
APPROVED: C. Chen 16/04/22		
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,  
0.5~6GHz,  
Coupling 50dB, 250W,  
N-Female

#### PART No.:

TDDC-00500600-50N250



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



DIMENSIONS IN MILLIMETERS(mm)

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