

TECHNICAL DATA

► Electrical Data

Frequency Range	410~490MHz
Coupling	50±1dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Directivity	20dB min
Impedance	50 Ohms
Primary Line Power	3000W(Peak Power, Duty Cycle 30%)

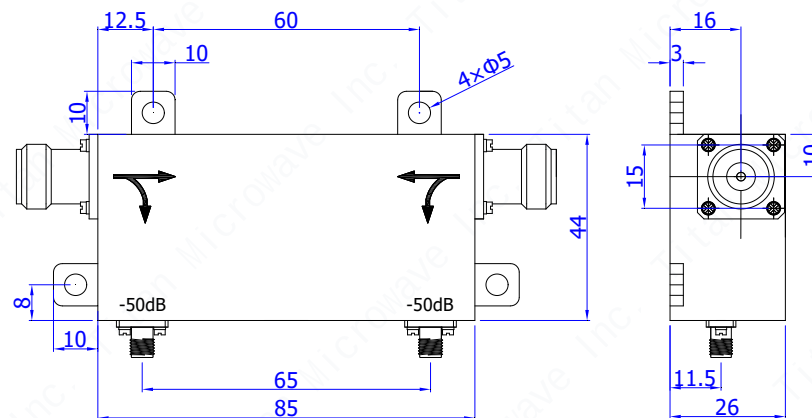
► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×44×26mm

► Environmental Data

Operating Temperature	-40℃~+70℃
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REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/4/30	C. Chen



Notes:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. 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,
410~490MHz, 50dB,
3000W(PK), N~Female &
SMA-Female

PART No.:

TDDC-00410049-50NS3KW



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DIMENSIONS IN MILLIMETERS(mm)

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