

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

TECHNICAL DATA

► Electrical Data

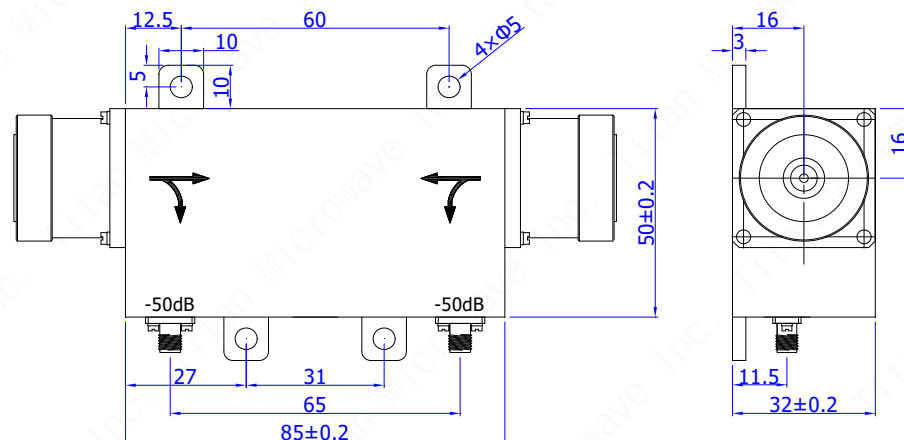
Frequency Range	500~1100MHz
Coupling	50±1.0dB
Coupling Flatness	±1.0dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.2:1 max
Coupled Line VSWR	1.5:1 max
Directivity	18dB min
Impedance	50 Ohms
Primary Line Power	2000W(CW), 6000W(PK)

► Mechanical Data

Primary Line Connectors	DIN 7/16(L29)-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×50×32mm

► Environmental Data

Operating Temperature	-40℃~+70℃
-----------------------	-----------



Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- 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,
500~1100MHz, 50dB,
2000W, DIN
7/16(L29)~Female & SMA-
Female

PART No.:

TDDC-00500110-50DS2KW



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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