

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

TECHNICAL DATA

► Electrical Data

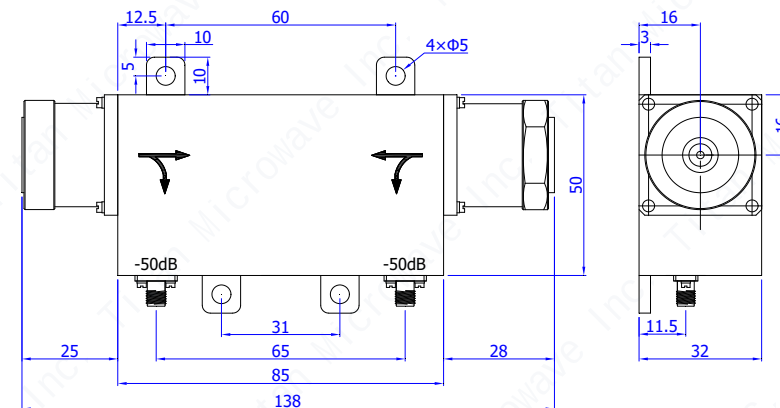
Frequency Range	80~520MHz
Coupling	50±1dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Directivity	18dB min
Impedance	50 Ohms
Primary Line Power	2000W max

► Mechanical Data

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

► Environmental Data

Operating Temperature	-40℃~+70℃
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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	TITLE: Dual Directional Coupler, 80~520MHz, 50dB, 2000W, DIN 7/16(L29)-Male/Female & SMA-Female	 www.titan-microwave.com		
ENGINEER: J. Zhu 30/04/25				
APPROVED: C. Chen 30/04/25				
TOLERANCE UNLESS OTHERWISE SPECIFIED		DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]	PART No.: TDDC-00080052-50DS2KW		SIZE:	SCALE:
.x ±0.20 [0.008"]			A4	
.xx ±0.10 [0.004"]				
ANGLES ±1°			SHEET:	REV:
			1/1	A