

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2024/10/10	C. Chen

TECHNICAL DATA

► Electrical Data

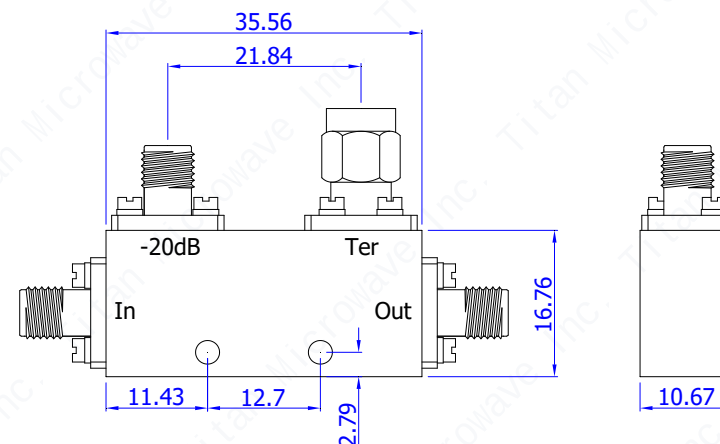
Frequency Range	6-18GHz
Nominal Coupling	20±1dB
Amplitude Balance	±0.5dB max
Directivity	15dB min
Insertion Loss(Ex. coupling)	0.6dB max
VSWR Primary Line	1.4:1 max
VSWR Coupled Line	1.4:1 max
Power Rating	50W(CW)

► Mechanical Data

Input/Output Connectors	SMA-Female
Material	Aluminum
Surface Treatment	Gray Painted
Dimensions	35.56×16.76×10.67mm

► 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 10/10/24			TITLE: Directional Coupler, 6-18GHz, 20±1dB Coupling, 50W, SMA-Female	成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -				
ENGINEER: J. Zhu 10/10/24				www.titan-microwave.com				
APPROVED: C. Chen 10/10/24								
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TMDC-06001800-20S50B	DIMENSIONS IN MILLIMETERS(mm)				
x	±0.50	[0.019"]			SIZE:	SCALE:	SHEET:	REV:
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°			A4		1/1	A	