

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/1/3	C. Chen

TECHNICAL DATA

► Electrical Data

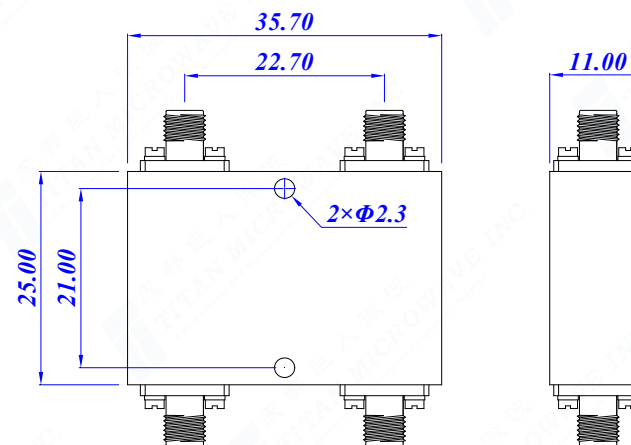
Frequency Range	7~12.75GHz
Insertion Loss(average)	0.8dB max
VSWR	1.5:1 max
Isolation	15dB min
Amplitude Balance	±0.5dB max
Phase Balance	±5° max
Impedance	50 Ohms
Power Rating	50W(CW)

► Mechanical Data

Input/Output Connectors	SMA-Female
Dimensions	35.7×25×11mm
Surface Finish	Gray Painted

► 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 3/1/25			TITLE: 90 Deg. Hybrid Coupler, 7~12.75GHz, 50W, SMA-Female	成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com				
ENGINEER: J. Zhu 3/1/25								
APPROVED: C. Chen 3/1/25				PART No.: TMHC90-07001275-50S	DIMENSIONS IN MILLIMETERS(mm)	SIZE:	SCALE:	SHEET:
TOLERANCE UNLESS OTHERWISE SPECIFIED			A4				1/1	A
x	±0.50	[0.019"]						
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							