

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/12/21	C. Chen

TECHNICAL DATA

Electrical Data

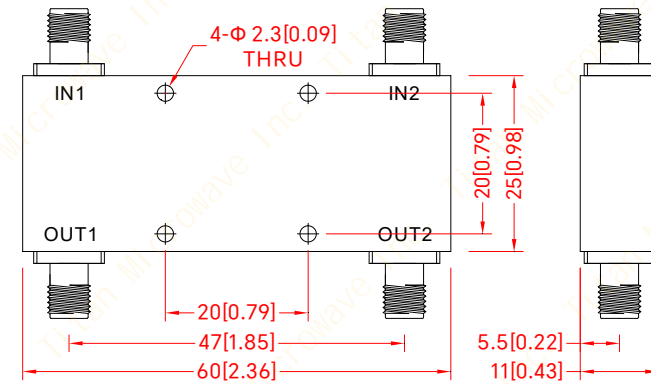
Frequency Range	250-500MHz
Nominal Coupling	3dB typ
Insertion Loss	0.2dB typ, 0.3dB max
VSWR	1.10:1 typ, 1.20:1 max
Isolation	22dB min, 25dB typ
Amplitude Balance	±0.35dB typ, ±0.5dB max
Phase Balance	±1° typ, ±2° max
Impedance	50 Ohms
Power Rating	50W max

Mechanical Data

Input/Output Connectors	SMA-Female
Dimensions	60×25×11mm
Surface Finish	Black/Blue/Gray Painted

Environmental Data

Operating Temperature	-45°C~+85°C
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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 21/12/22		
ENGINEER: J. Zhu 21/12/22		
APPROVED: C. Chen 21/12/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

3dB 90 Deg. Hybrid
Coupler, 0.25~0.5GHz,
50W, SMA-Female

PART No.:

TMHC90-00250050-50S



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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