

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

TECHNICAL DATA

► Electrical Data

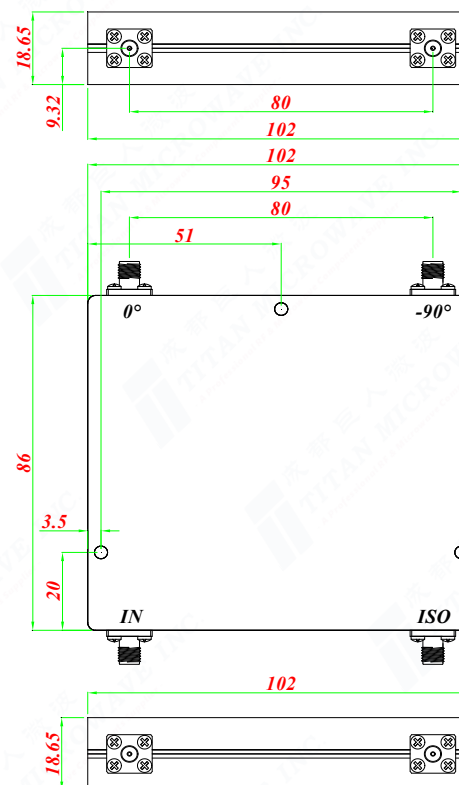
Frequency Range	80~1000MHz
Insertion Loss(average)	0.9dB max
VSWR	1.3:1 max
Isolation	16dB min
Amplitude Balance	±1.5dB max
Phase Balance	±8° max
Impedance	50 Ohms
Power Rating	100W(CW)

► Mechanical Data

Connectors	SMA-Female
Dimensions	102×86×18.65mm
Surface Finish	Natural Color Conductive Oxidation

► 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 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° Hybrid Coupler,
80~1000MHz, 100W,
SMA-Female

PART No.:

TMHC90-00080100-100S



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

SIZE:
A4

SCALE:

SHEET:
1/1

REV:
A