

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/6/6	C. Chen

TECHNICAL DATA

► Electrical Data

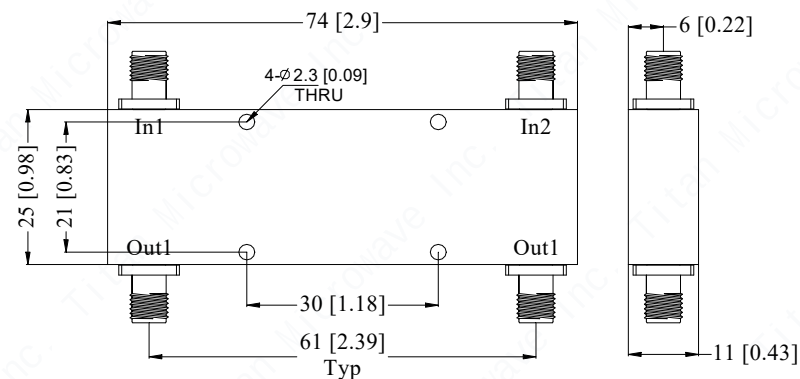
Frequency Range	1~18GHz
Insertion Loss	1.9dB max
VSWR	1.8:1 max
Isolation	15dB min
Amplitude Balance	±1.0dB max
Phase Balance	±9°
Average Power	30W
Impedance	50 Ohms

► Mechanical Data

Dimensions	74×25×11mm
Connectors	SMA-Female
Surface Finish	Black/Gray Painted

► Environmental Data

Operating Temperature	-40℃~+80℃
Storage Temperature	-45℃~+85℃



Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 06/06/25	TITLE: 90° Hybrid Coupler, 1~18GHz, 30W SMA-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 06/06/25				
APPROVED: C. Chen 06/06/25				
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]	PART No.: TMHC90-01001800-30S	 DIMENSIONS IN MILLIMETERS(mm)		
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]		SIZE: A4	SCALE:	SHEET: 1/1
ANGLES ±1°				REV: A