

TECHNICAL DATA

► Electrical Data

Frequency Range	4000~8000MHz
Insertion Loss	0.4dB max
VSWR	1.35:1 max
Isolation	20dB min
Phase Balance	±5°
Amplitude Balance	±0.5dB max
Power Handling	150W

► Mechanical Data

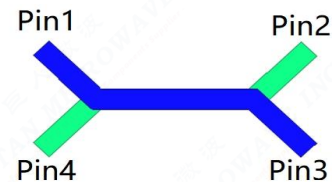
Dimensions	10.16×5.08×2.5mm
Connector Type	SMD
Surface Finish	Immersion Gold

► Environmental Data

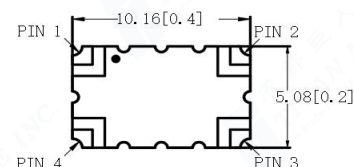
Operating Temperature	-55℃~+105℃
-----------------------	------------

Pin Configuration

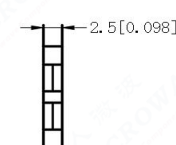
REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/1/5	C. Chen



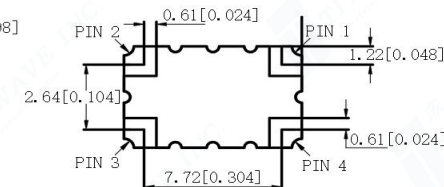
Top View



Side View



Bottom View



Configuration	Pin 1	Pin 2	Pin 3	Pin 4
Splitter	Input	Isolated	-3dB ∠ θ-90°	-3dB ∠ θ
Splitter	Isolated	Input	-3dB ∠ θ	-3dB ∠ θ-90°
Splitter	-3dB ∠ θ-90°	-3dB ∠ θ	Input	Isolated
Splitter	-3dB ∠ θ	-3dB ∠ θ-90°	Isolated	Input
Combiner	A ∠ θ-90°	A ∠ θ	Isolated	Output
Combiner	A ∠ θ	A ∠ θ-90°	Output	Isolated
Combiner	Isolated	Output	A ∠ θ-90°	A ∠ θ
Combiner	Output	Isolated	A ∠ θ	A ∠ θ-90°

Notes:

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

DRAWN: L. Ma 05/01/25
ENGINEER: J. Zhu 05/01/25
APPROVED: C. Chen 05/01/25
TOLERANCE UNLESS OTHERWISE SPECIFIED
x ±0.50 [0.019"]
.x ±0.20 [0.008"]
.xx ±0.10 [0.004"]
ANGLES ±1°

TITLE:

SMD 3dB 90° High Power
Hybrid Coupler, 4000-
8000MHz, 150W

PART No.:

TMHC6000W03



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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