

TECHNICAL DATA

► Electrical Data

Frequency Range	30~512MHz
Insertion Loss	1.2dB max
VSWR	1.35:1 max
Isolation	18dB min
Phase Balance	±3.5°
Amplitude Balance	±1.0dB max
Power Handling	200W

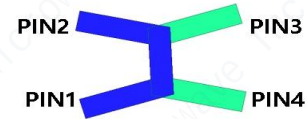
► Mechanical Data

Dimensions	105.41×77.55×6mm
Connector Type	SMD
Surface Finish	Immersion Gold
	-Prevent surface from oxidation and scratch

► Environmental Data

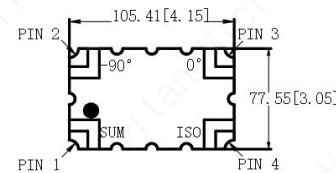
Operating Temperature	-55℃~+105℃
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Pin Configuration

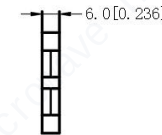


REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/22	C. Chen

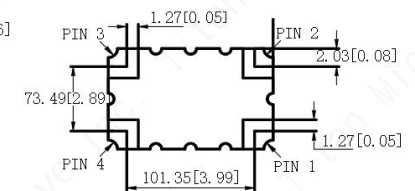
TOP VIEW



SIDE VIEW



BOTTOM VIEW



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

Notes:

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

DRAWN: L. Ma 22/11/22
ENGINEER: J. Zhu 22/11/22
APPROVED: C. Chen 22/11/22
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,
30-512MHz, 200W

PART No.:
TMHC0271W03



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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