

TECHNICAL DATA

► Electrical Data

Frequency Range	225~2000MHz
Insertion Loss	0.65dB max
VSWR	1.2:1 max
Isolation	22dB min
Phase Balance	$\pm 2^\circ$
Amplitude Balance	± 1.1 dB max
Power Handling	200W

► Mechanical Data

Dimensions	37.34×28.7×3.8mm
Connector Type	SMD
Surface Finish	Immersion Gols
	-provent surface from oxidation and scratch

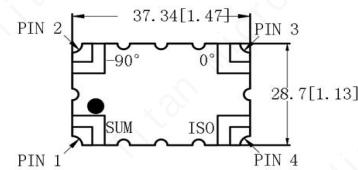
► Environmental Data

Operating Temperature	-55℃~+105℃
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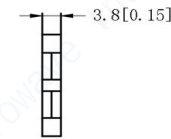
Pin Configuration



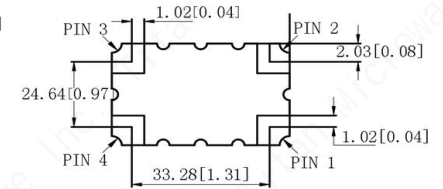
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Configurati on	Pin 1	Pin 2	Pin 3	Pin 4
Splitter	Input	-3dB $\angle$ 0-90°	-3dB $\angle$ 0	Isolated
Splitter	-3dB $\angle$ 0-90°	Input	Isolated	-3dB $\angle$ 0
Splitter	-3dB $\angle$ 0	Isolated	Input	-3dB $\angle$ 0-90°
Splitter	Isolated	-3dB $\angle$ 0	-3dB $\angle$ 0-90°	Input
Combiner	Isolated	-3dB $\angle$ 0-90°	-3dB $\angle$ 0	Output
Combiner	-3dB $\angle$ 0-90°	Isolated	Output	-3dB $\angle$ 0
Combiner	-3dB $\angle$ 0	Output	Isolated	-3dB $\angle$ 0-90°
Combiner	Output	-3dB $\angle$ 0	-3dB $\angle$ 0-90°	Isolated

Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- 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 $\pm 1^\circ$

TITLE:
SMD 3dB 90° High Power
Hybrid Coupler,
225-2000MHz, 200W

PART No.:
TMHC1100W03



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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