

TECHNICAL DATA

► Electrical Data

Frequency Range	2300~2700MHz
Insertion Loss	0.25dB max
VSWR	1.15:1 max
Isolation	25dB min
Phase Balance	$\pm 2^\circ$
Amplitude Balance	± 0.2 dB max
Power Handling	200W

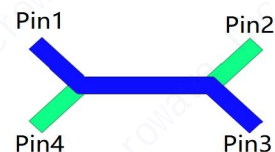
► Mechanical Data

Dimensions	6.35×5.08×2.0mm
Connector Type	SMD
Surface Finish	Immersion Gold
	-Prevent surface from oxidation and scratch

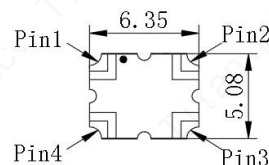
► Environmental Data

Operating Temperature	-55℃~+105℃
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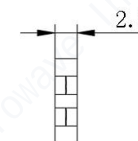
Pin Configuration



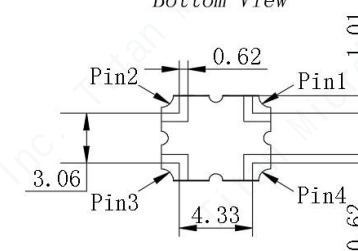
Top View



Side View



Bottom View



Configuration	Pin 1	Pin 2	Pin 3	Pin 4
Splitter	Input	Isolated	-3dB $\angle \theta$ -90°	-3dB $\angle \theta$
Splitter	Isolated	Input	-3dB $\angle \theta$	-3dB $\angle \theta$ -90°
Splitter	-3dB $\angle \theta$ -90°	-3dB $\angle \theta$	Input	Isolated
Splitter	-3dB $\angle \theta$	-3dB $\angle \theta$ -90°	Isolated	Input
Combiner	A $\angle \theta$ -90°	A $\angle \theta$	Isolated	Output
Combiner	A $\angle \theta$	A $\angle \theta$ -90°	Output	Isolated
Combiner	Isolated	Output	A $\angle \theta$ -90°	A $\angle \theta$
Combiner	Output	Isolated	A $\angle \theta$	A $\angle \theta$ -90°

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 ±1°

TITLE:

SMD 3dB 90° High Power
Hybrid Coupler,
2300~2700MHz, 200W

PART No.:

TMHC2500P03



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

SIZE:
A4

SCALE:

SHEET:
1/1

REV:
A