

TECHNICAL DATA

► Electrical Data

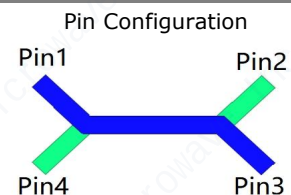
Frequency Range	250~750MHz
Insertion Loss	0.2dB max
VSWR	1.25:1 max
Isolation	21dB min
Phase Balance	$\pm 2^\circ$
Amplitude Balance	± 0.95 dB max
Power Handling	300W

► Mechanical Data

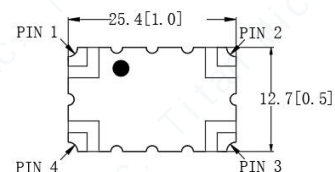
Dimensions	25.4×12.7×2.5mm
Connector Type	SMD
Surface Finish	Immersion Gold
	-Prevent surface from oxidation and scratch

► Environmental Data

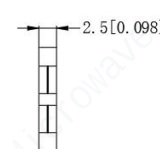
Operating Temperature	-55℃~+105℃
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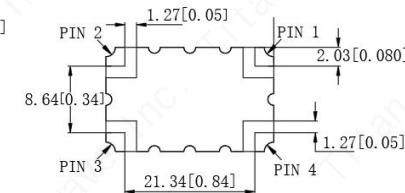
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Configuration	Pin 1	Pin 2	Pin 3	Pin 4
Splitter	Input	Isolated	-3dB $\angle$ θ -90°	-3dB $\angle$ θ
Splitter	Isolated	Input	-3dB $\angle$ θ	-3dB $\angle$ θ -90°
Splitter	-3dB $\angle$ θ -90°	-3dB $\angle$ θ	Input	Isolated
Splitter	-3dB $\angle$ θ	-3dB $\angle$ θ -90°	Isolated	Input
Combiner	A $\angle$ θ -90°	A $\angle$ θ	Isolated	Output
Combiner	A $\angle$ θ	A $\angle$ θ -90°	Output	Isolated
Combiner	Isolated	Output	A $\angle$ θ -90°	A $\angle$ θ
Combiner	Output	Isolated	A $\angle$ θ	A $\angle$ θ -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,
250-750MHz, 300W

PART No.:

TMHC0500W03



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DIMENSIONS IN MILLIMETERS(mm)

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