

TECHNICAL DATA

► Electrical Data

Frequency Range	700~1100MHz
Insertion Loss	0.15dB max
VSWR	1.15:1 max
Isolation	22dB min
Phase Balance	±2°
Amplitude Balance	±0.3dB max
Power Handling	200W

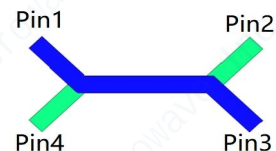
► Mechanical Data

Dimensions	14.22×8.89×2mm
Connector Type	SMD
Surface Finish	Immersion Gols
	-provent surface from oxidation and scratch

► Environmental Data

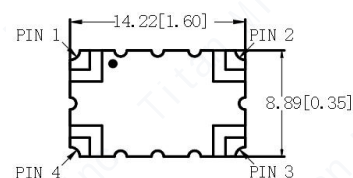
Operating Temperature	-55℃~+105℃
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Pin Configuration

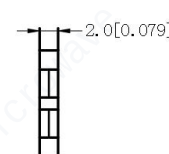


REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/22	C. Chen

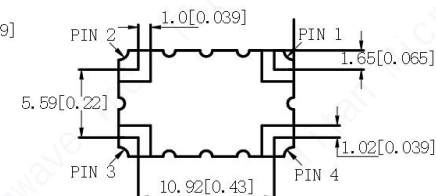
Top View



Side View



Bottom View



Configurati on	Pin 1	Pin 2	Pin 3	Pin 4
Splitter	Input	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 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,
700-1100MHz, 200W

PART No.:

TMHC0900A03L



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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