

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	350~540MHz
Insertion Loss	0.1dB max
VSWR	1.1:1 max
Coupling	20±1.0dB
Directivity	22dB min
Power Handling	100W(CW)

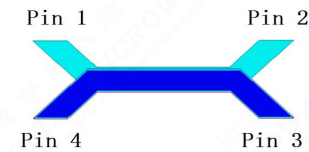
► Mechanical Data

Dimensions	14.22×5.08×2.0mm
Connector Type	SMD
Surface Finish	Immersion Gold

► Environmental Data

Operating Temperature	-55℃~+105℃
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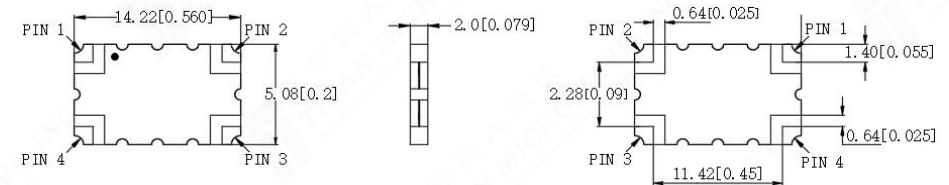
Pin Configuration



Top View

Side View

Bottom View



Pin 1	Pin 2	Pin 3	Pin 4
Input	Transmission	Isolate	Coupling
Transmission	Input	Coupling	Isolate

Notes:

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

DRAWN: L. Ma 16/04/22			TITLE: SMD Directional Coupler, 350-540MHz, 20dB, 100W		 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 16/04/22							
APPROVED: C. Chen 16/04/22							
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TMDC0450E20		 DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]							
.x ±0.20 [0.008"]							
.xx ±0.10 [0.004"]							
ANGLES ±1°			SIZE: A4		SCALE:	SHEET: 1/1	REV: A

x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	