

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

TECHNICAL DATA

► Electrical Data

Frequency Range	100~2000MHz
Insertion Loss	0.32dB max
VSWR	1.15:1 max
Coupling	47±1.0dB
Directivity	15dB min
Power Handling	150W(CW)

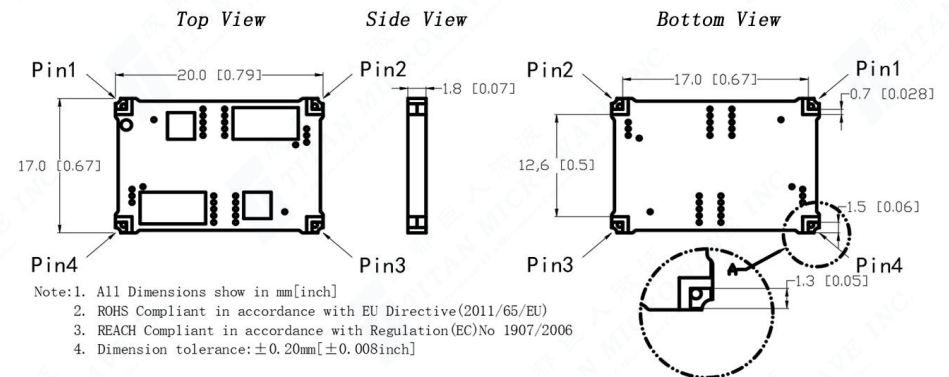
► Mechanical Data

Dimensions	20×17×1.8mm
Connector Type	SMD
Surface Finish	Immersion Gold

► Environmental Data

Operating Temperature	-55℃~+105℃
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Pin Configuration



Pin 1	Pin 2	Pin 3	Pin 4
Input	Reflected Coupled	Transmission	Forward Coupled
Transmission	Forward Coupled	Input	Reflected Coupled

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, 100-2000MHz, 47dB, 150W		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					PART No.: TMDC1050W45S		DIMENSIONS IN MILLIMETERS(mm)			
APPROVED: C. Chen 16/04/22										
TOLERANCE UNLESS OTHERWISE SPECIFIED										
x	±0.50	[0.019"]								
.x	±0.20	[0.008"]								
.xx	±0.10	[0.004"]								
ANGLES	±1°				SIZE:	SCALE:	SHEET:	REV:		
					A4		1/1	A		

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