

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

TECHNICAL DATA

► Electrical Data

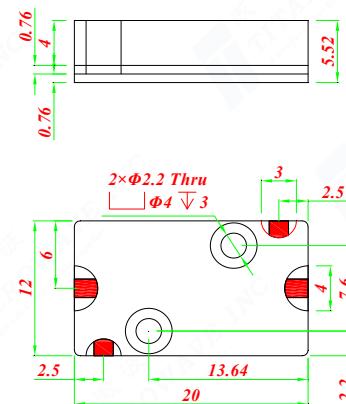
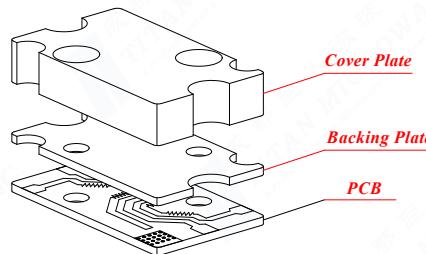
Frequency Range	1000~4000MHz
Insertion Loss	0.3dB max
VSWR(Primary Line)	1.3:1 max
VSWR(Coupled Line)	1.4:1 max
Coupling	23±1.0dB
Coupling Flatness	±3.0dB max
Directivity	12dB min
Power(main line)	100W(CW)

► Mechanical Data

Dimensions	20×12×5.52mm
Connector Type	Microstrip
Surface Finish	Conductive Oxidation

► Environmental Data

Operating Temperature	-55°C~+85°C
-----------------------	-------------



Mounting Method: Secure the printed circuit board (PCB), backing plate, and cover plate onto the mounting surface in the sequence shown in the outline drawing using M2 screws, then proceed with sintering.

Notes: 1. Sintering temperature must be below 230°C.

2. M2 threaded holes must be pre-provided at corresponding positions on the mounting surface.

Notes:

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

DRAWN: L. Ma 16/04/22	TITLE: SMD Directional Coupler, 23dB, 1000-4000MHz, 100W	PART No.: TM0102-23D	 成都巨人微波 TITAN MICROWAVE INC. <i>- A Professional RF & Microwave Components Supplier -</i> www.titan-microwave.com	DIMENSIONS IN MILLIMETERS(mm)			
ENGINEER: J. Zhu 16/04/22							
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