

## TECHNICAL DATA

### ► Electrical Data

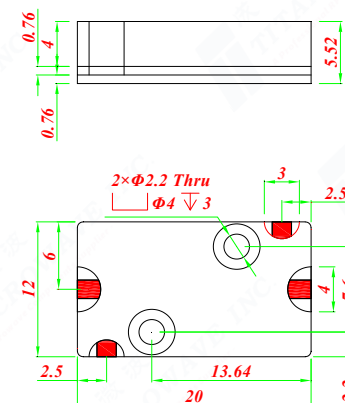
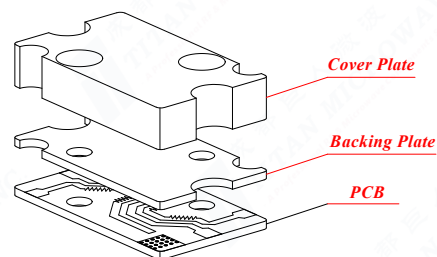
Frequency Range	1000~4000MHz
Insertion Loss	0.3dB max
VSWR(Primary Line)	1.3:1 max
VSWR(Coupled Line)	1.4:1 max
Coupling	23±1.0dB
Coupling Flatness	±3.0dB max
Directivity	12dB min
Power(main line)	100W(CW)

### ► Mechanical Data

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

### ► Environmental Data

Operating Temperature	-55℃~+85℃
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*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℃.*

*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		
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°	

TITLE:

SMD Directional Coupler,  
23dB, 1000-4000MHz,  
100W

PART No.:

TM0102-23D

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DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A