

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/4/12	C. Chen

TECHNICAL DATA

► Electrical Data

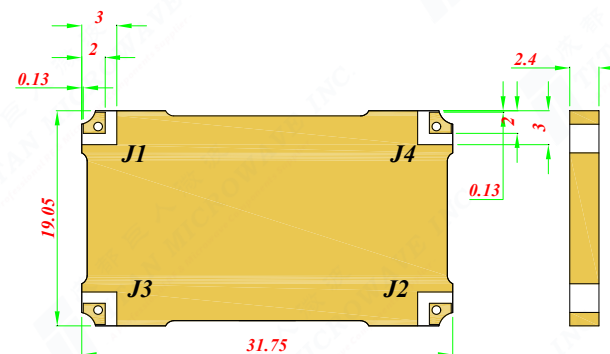
Frequency Range	108~800MHz
Coupling	50±1.0dB
Coupling Flatness	±0.8dB max
Insertion Loss	0.25dB max
VSWR(Primary Line)	1.2:1 max
Directivity	18dB min
Main Line Power	100W max

► Mechanical Data

Connector Type	SMD
Surface Finish	Immersion Gold
Dimensions	31.75×19.05×2.4mm

► Environmental Data

Operating Temperature	-55℃~+85℃
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IN	OUT	Forward Coupled	Reflected Coupled
J1	J2	J3	J4
J2	J1	J4	J3

Notes:

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

DRAWN: L. Ma 12/04/23		
ENGINEER: J. Zhu 12/04/23		
APPROVED: C. Chen 12/04/23		
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,
108~800MHz, 100W, 50dB

PART No.:

TM010704-50D



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DIMENSIONS IN MILLIMETERS(mm)

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