

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

TECHNICAL DATA

► Electrical Data

Frequency Range	30~520MHz
Insertion Loss	0.1dB max@30~200MHz 0.25dB max@200~520MHz
VSWR	1.1:1 max
Coupling	42±1.6dB@30~200MHz 42±1.0dB@200~520MHz
Directivity	28dB min
Power Handling	300W(CW)

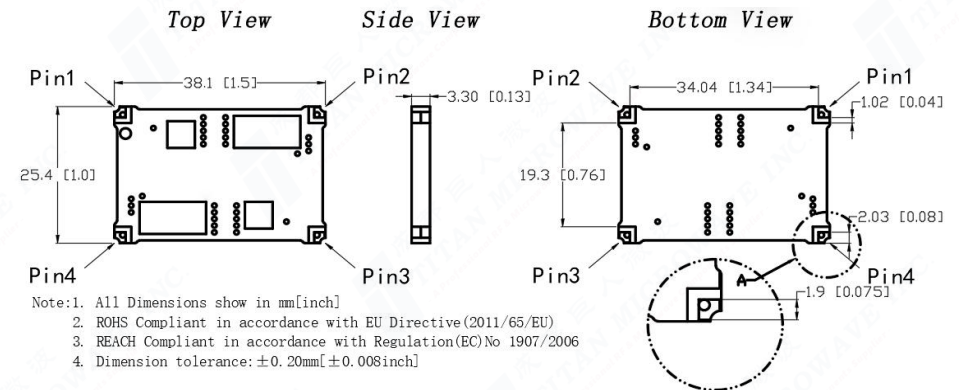
► Mechanical Data

Dimensions	38.1×25.4×3.3mm
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		
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,
30-520MHz,
42dB, 300W

PART No.:

TMDC0275W42



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DIMENSIONS IN MILLIMETERS(mm)

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