

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/5/26	C. Chen

TECHNICAL DATA

► Electrical Data

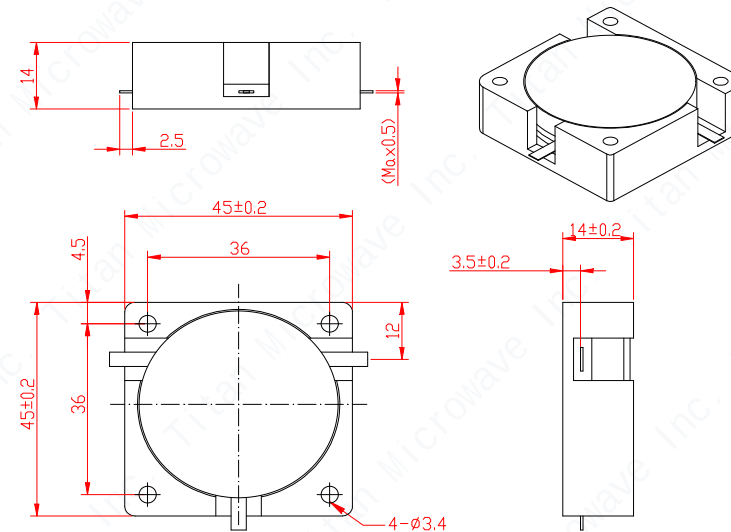
Frequency Range	490~510MHz
Insertion Loss	0.4dB max
VSWR	1.25:1 max
Isolation	20dB min
Forward Power	500W(CW)
Peak Power	5000W(Pulse Width 5us)
Direction	Clockwise
Impedance	50 Ohms

► Mechanical Data

Dimensions	45×45×14mm
Connector Type	Stripline
Material	Aluminum
Surface Finish	Nickel Plated

► Environmental Data

Operating Temperature	-30℃~+75℃
Storage Temperature	-50℃~+90℃



Notes:

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

DRAWN: L. Ma 26/05/25	TITLE: Drop-in Circulator 490-510MHz, 500W(CW)	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 26/05/25				
APPROVED: C. Chen 26/05/25		 DIMENSIONS IN MILLIMETERS(mm)		
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]	PART No.: TMDC-00490051-500	SIZE:	SCALE:	SHEET:
.x ±0.20 [0.008"]		A4		1/1
.xx ±0.10 [0.004"]				REV:
ANGLES ±1°				A