

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

TECHNICAL DATA

► Electrical Data

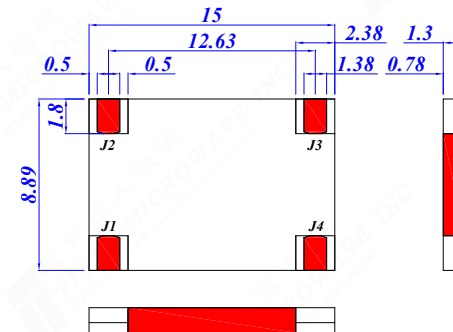
Frequency Range	8~12GHz
Insertion Loss(average)	≤0.6dB
VSWR	≤1.5:1
Isolation	≥15dB
Phase Balance	≤±6°
Amplitude Balance	≤±0.6dB
Power Handling	100W(CW)

► Mechanical Data

Dimensions	15×8.89×1.3mm max
Connector Type	Microstrip
Surface Finish	Immersion Gold

► Environmental Data

Operating Temperature	-55℃~+85℃
-----------------------	-----------



OUTPUT	J1	J2	J3	J4
J1	-----	-3dB<0°	-3dB<90°	ISOLATION
J2	-3dB<0°	-----	ISOLATION	-3dB<90°

Notes:

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

DRAWN: L. Ma 16/04/22	TITLE: SMD 90° Hybrid Coupler, 3dB, 8-12GHz, 100W	 www.titan-microwave.com		
ENGINEER: J. Zhu 16/04/22				
APPROVED: C. Chen 16/04/22				
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]	PART No.: TM0163-3C	 DIMENSIONS IN MILLIMETERS(mm)		
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]				
ANGLES ±1°				
		SIZE: A4	SCALE:	SHEET: 1/1
				REV: A