

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

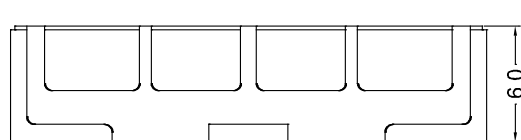
Product Name: Ceramic Duplexer

Part No: MDP-C1228-C1584.5_104M_51MC-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.01.04	Bryan Jeon	Michael Jeon

■ Mechanical Drawing

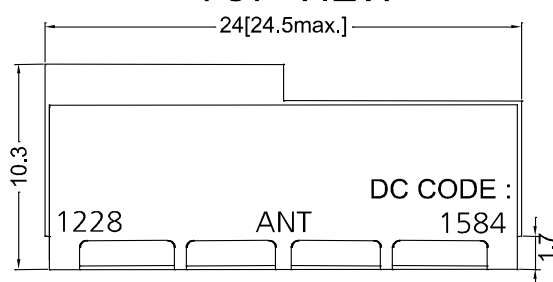


 I/O
 GROUND

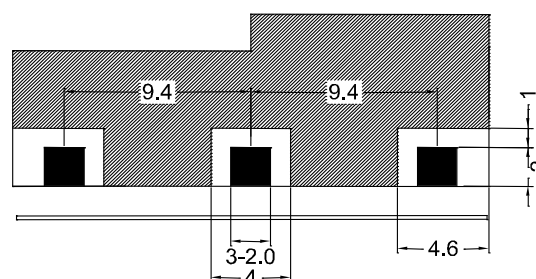
TOLERANCE : ± 0.30

UNIT : mm

TOP VIEW



BOTTOM VIEW



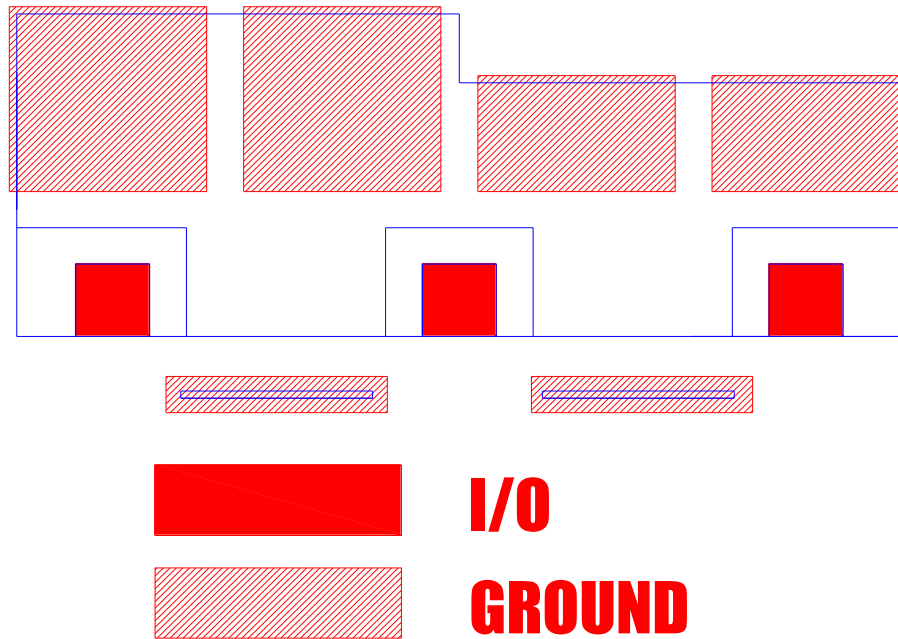
Note
 1. Connector: SMD
 2. Finish: Silver Plated

■ Electrical Specification

Parameter	Specification		Remark
	Low	High	
1. Center Frequency	1228MHz	1584.5MHz	
2. Bandwidth [BW]	$F_c \pm 52 [1176 \sim 1280]$ MHz	$F_c \pm 65.5 [1559 \sim 1610]$ MHz	
3. Insertion Loss in BW	1.0dB Max.	1.0dB Max.	
4. Ripple in BW	0.5dB Max.	0.5dB Max.	
5. Return Loss in BW	15dB Min.	15dB Min.	
6. Attenuation [Absolute Value]	30dB Min. @ 1559~1610MHz	30dB Min. @ 1176~1280MHz	
7. Power	3.0W Max.		
8. In/Out Impedance	50Ω		
9. Operation Temperature Range	-40°C to +85°C		

Remarks: This is a preliminary datasheet for reference.

■ Recommended PC Board Pattern



Remarks: Recommend using silver-containing solder paste.