

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

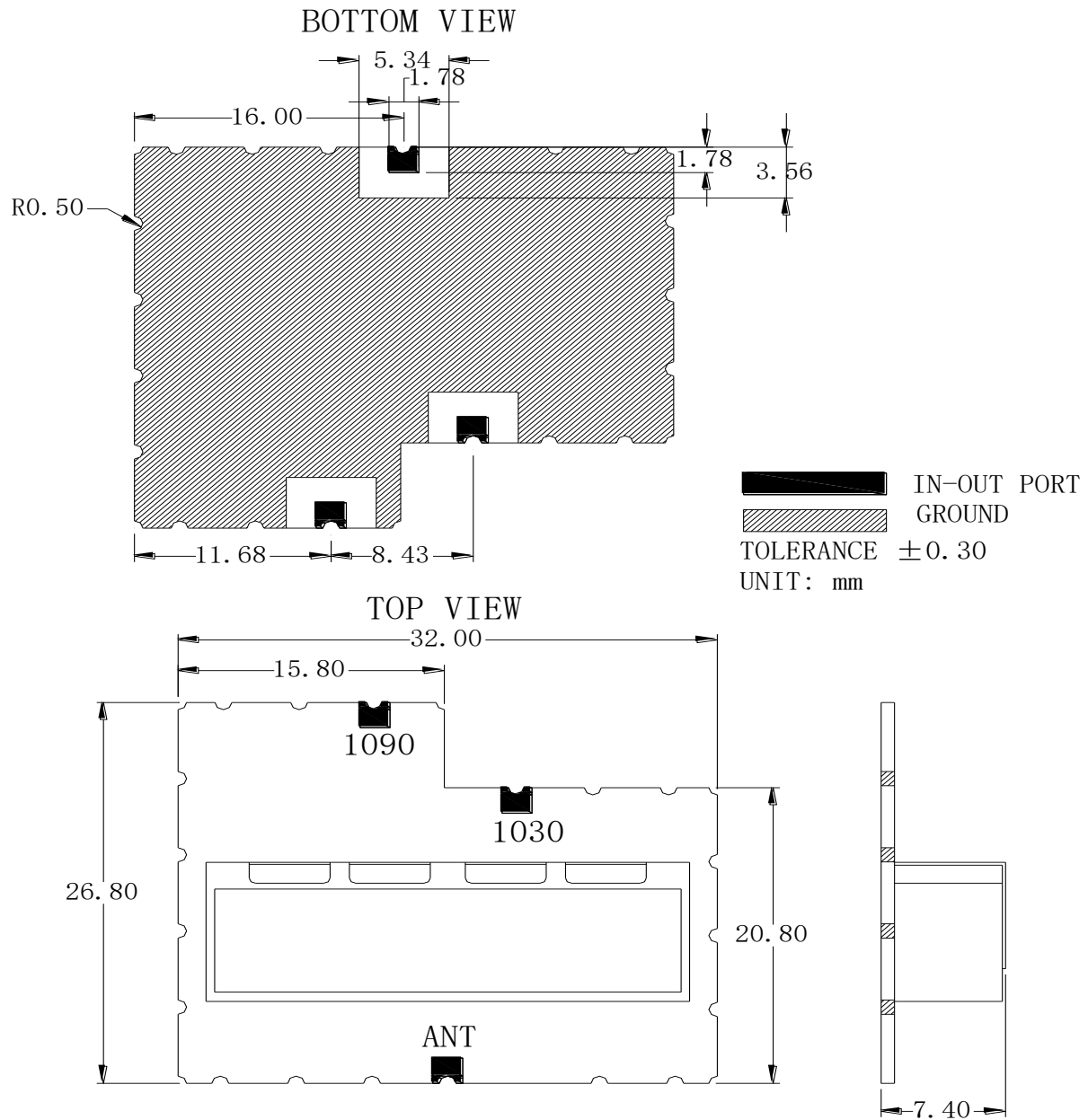
Product Name : Ceramic Mono Duplexer

Part No : MDP-C1030/C1090_20MM-L-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.11.16.	Jeffrey Jeong	Michael Jeon
2					
3					
4					
5					
6					

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	
	Ant >> CH1	Ant>>CH2
1. Center Frequency	1030MHz	1090MHz
2. 3dB Bandwidth	Fo±10MHz Max, Fo±10MHz Min	Fo±10MHz Max, Fo±10MHz Min
3. Insertion Loss in Fo±5MHz	3.0dB Max	3.5dB Max.
4. Ripple in Fo±5MHz	0.5dB Max	0.5dB Max
5. Return Loss in Fo±5MHz (S11, S22)	16dB Min	16dB Min
6. Attenuation[Relative Value]	18dBc min @ 910 ~ 1008MHz 18dBc min @ 1052 ~ 1150MHz 50dBc min @ 800 ~ 910MHz 50dBc min @ 1150 ~ 1206MHz	23dBc min @ 900 ~ 1065MHz 10dBc min @ 1065 ~ 1075MHz 10dBc min @ 1105 ~ 1115MHz 23dBc @ 1115 ~ 1206MHz
7. Power Handling	30dBm CW	
8. Power Handling (Instantaneous Peak)	40dBm with 1% duty cycle, 1us pulse width	33dBm with 1% duty cycle, 1us pulse width
9. Group Delay at 1030MHz	50nS±10nS	
10. Group Delay delta between 1026 and 1034MHz	5nS Max	
11. In/Output Impedance	50Ω	
12. Operating Temp Range	-40°C ~ +85°C	

※It is subjected to change with prior notice.

■ Recommended PCB Land Pattern

