

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

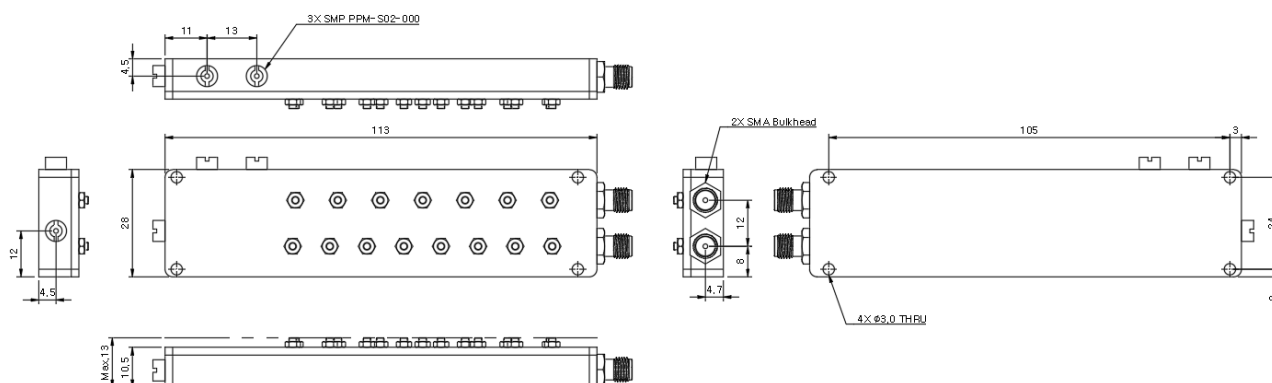
Product Name: X-BAND Diplexer

Part No: MDI-C10600_11150-200M_500MS-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.10.16	Lee Seung Moon	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Input port	10.5GHz ~ 11.4GHz	
2. RX Port	10.5GHz ~ 10.7GHz	
3. TX Port	10.9GHz ~ 11.4GHz	
4. Insertion Loss	RX : 1.5dB Max.	
	TX : 1.7dB Max.	
5. Return Loss	15dB Min.	RX, TX
6. Group Delay Variation	6.5ns Max.	RX, TX
7. TX/RX Isolation	80 dB Min	
8. Harmonics	50dBc Min. up to 2 nd Harmonics	RX, TX
9. Input Power	30W CW	
10. Coupling Value	RX : 30dB ± 0.55 Max.	With Coupling Flatness
	TX : 30dB ± 0.75 Max.	With Coupling Flatness
11. Operating Temperature	-40°C to +85°C	
12. Size (L x W x H)	113.0 x 28.0 x 13.0 mm.	Without Connector
13. Connector	TX Input, Rx Input : SMA(F) BILKHEAD	2EA
	ANT Port, Coupling Port : SMP PPM-X02-L00	3EA

Simulation Curve

1) RX, TX PATH, Group Delay

