

PRODUCT SPECIFICATION FOR INFORMATION

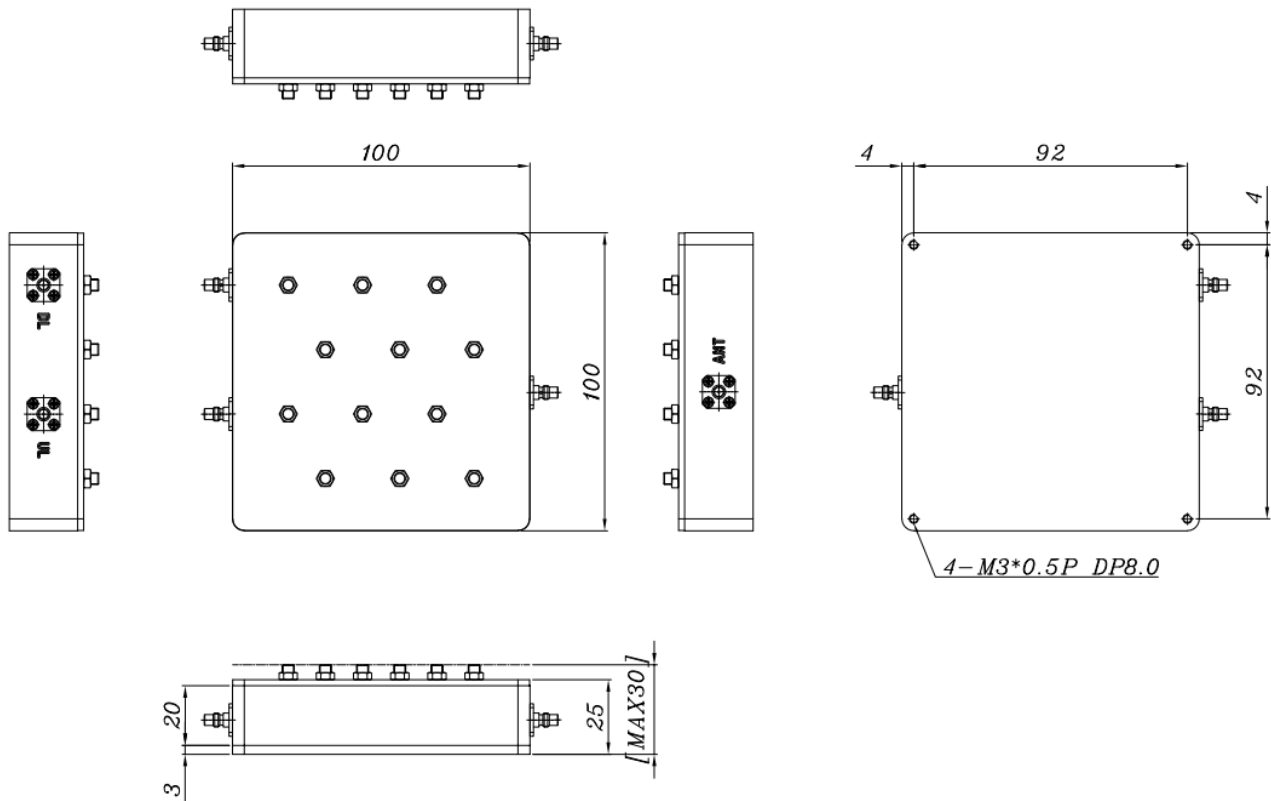
PRELIMINARY SPECIFICATION

Product Name : B7 2600 Diplexer

Part No : MDI-C2535/C2655_70M/70MS-A-R0

.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2026.01.19	Jeffrey Chung	Michael Jeon

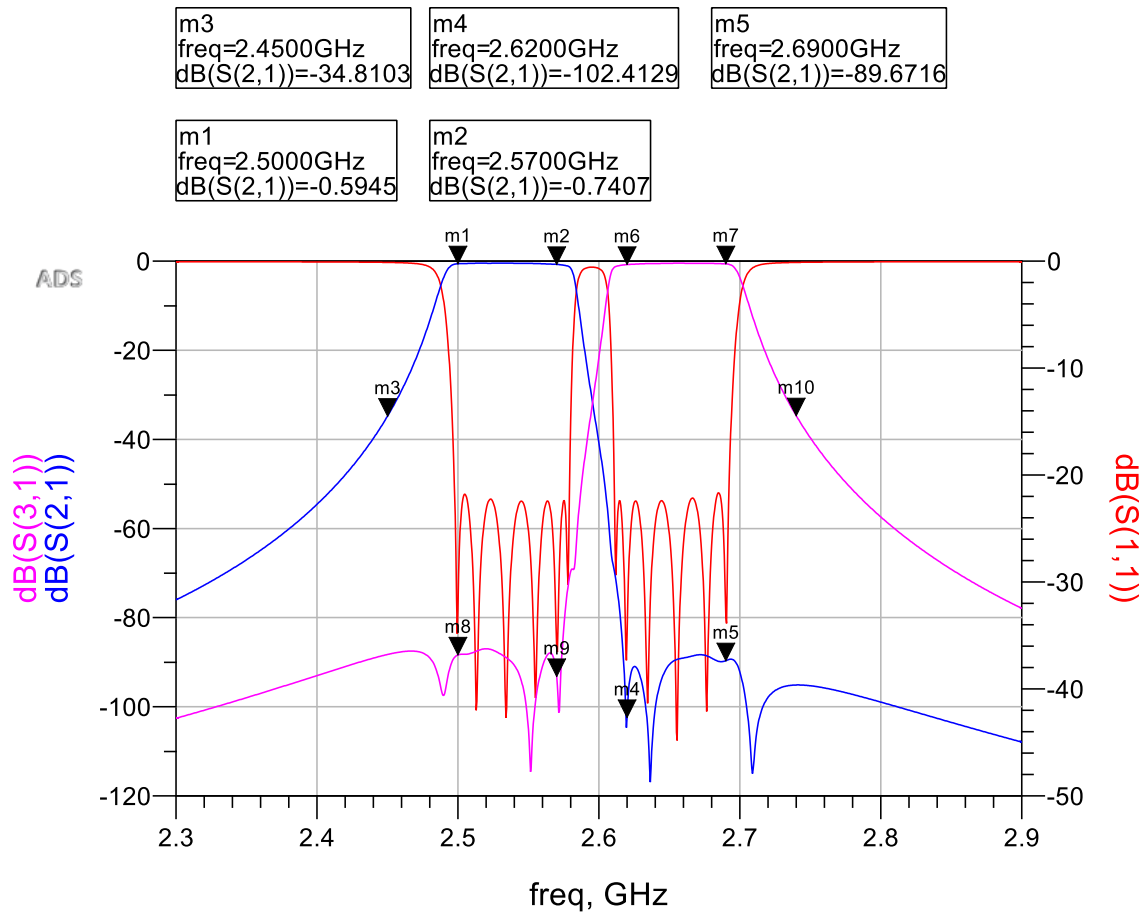
■ Mechanical Drawing



■ Electrical Specification

Item	Specification		Remark
	UL	DL	
1. Center Frequency	2535 MHz	2655 MHz	OK
2. Pass Band Frequency	$f_0 \pm 35[2500 \sim 2570] \text{MHz}$	$f_0 \pm 35[2620 \sim 2690] \text{MHz}$	OK
3. Insertion Loss	1.0 dB Max.	1.0 dB Max.	OK
4. Return Loss	18.0dB Min.		TBD
5. Attenuation	30dB min. @2450MHz	30dB min. @2740MHz	TBD
	80dB min. @2620~2690MHz	80dB min. @2500~2570MHz	TBD
6. In/Out Impedance	50 Ω		OK
7. Input Power	20 W Max.		OK
8. Operation Temperature Range	-30°C ~ +85°C		TBD
9. Dimension [WxDxH]	100.0 x 100.0 x 30.0 [mm]		OK
10. Connector	SMC(f)		OK
11. Finish	Black Painting		TBD

■ Simulation Data



m3
freq=2.4500GHz
dB(S(2,1))=-34.8103

m4
freq=2.6200GHz
dB(S(2,1))=-102.4129

m5
freq=2.6900GHz
dB(S(2,1))=-89.6716

m1
freq=2.5000GHz
dB(S(2,1))=-0.5945

m2
freq=2.5700GHz
dB(S(2,1))=-0.7407

m6
freq=2.6200GHz
dB(S(3,1))=-0.7743

m7
freq=2.6900GHz
dB(S(3,1))=-0.6175

m8
freq=2.5000GHz
dB(S(3,1))=-88.3613

m9
freq=2.5700GHz
dB(S(3,1))=-93.2087

m10
freq=2.7400GHz
dB(S(3,1))=-34.6992