

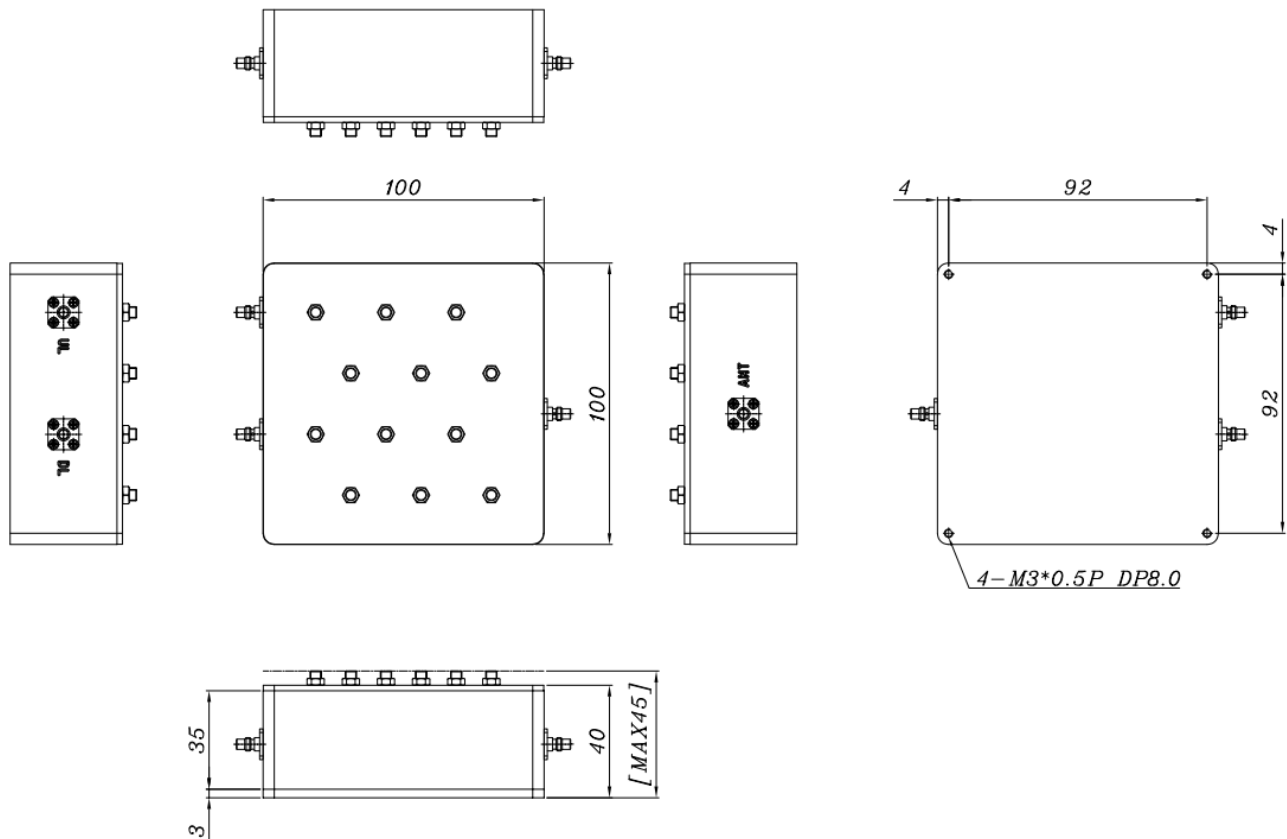
PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

Product Name : B20 800 Diplexer
Part No : MDI-C806/C847_30M/30MS-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	847 MHz	806 MHz	OK
2. Pass Band Frequency	$f_o \pm 15 [832 \sim 862] \text{MHz}$	$f_o \pm 15 [791 \sim 821] \text{MHz}$	OK
3. Insertion Loss	1.2 dB Max.	1.2 dB Max.	Proposal
4. Return Loss	18.0dB Min.		TBD
5. Attenuation	20dB min. @882MHz	20dB min. @771MHz	TBD
	50dB min. @791~821MHz	50dB min. @832~862MHz	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 45.0 [mm]		Proposal
10. Connector	SMC(f)		OK
11. Finish	Black Painting		TBD

■ Simulation Data

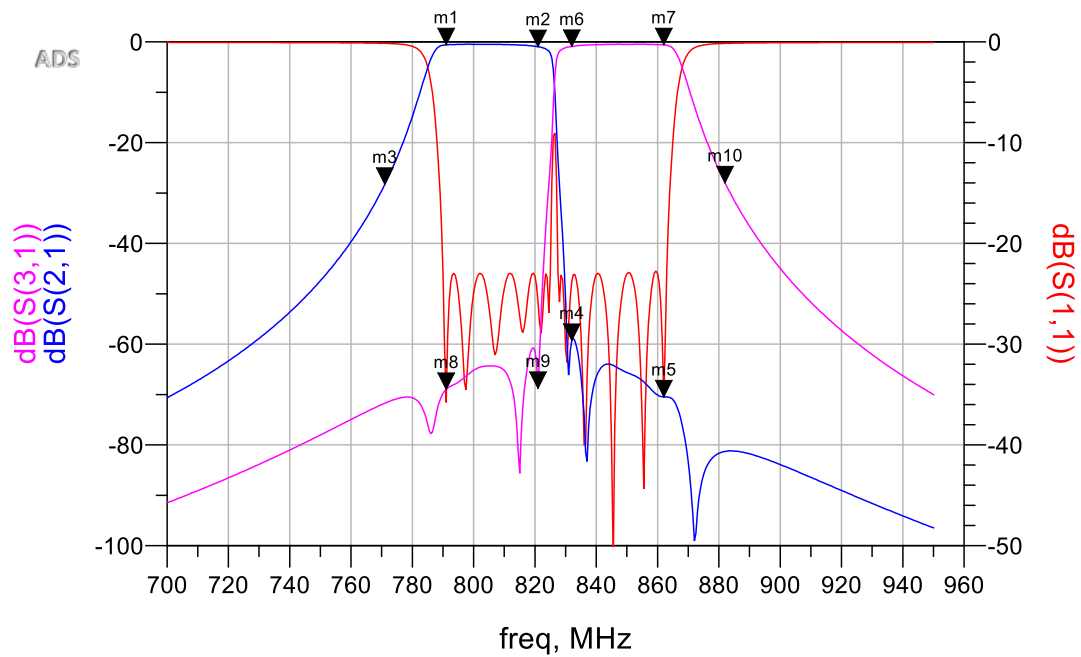
m3
freq=771.00MHz
dB(S(2,1))=-28.3097

m4
freq=832.00MHz
dB(S(2,1))=-59.2816

m5
freq=862.00MHz
dB(S(2,1))=-70.4861

m1
freq=791.00MHz
dB(S(2,1))=-0.5857

m2
freq=821.00MHz
dB(S(2,1))=-0.9579



m6
freq=832.00MHz
dB(S(3,1))=-0.9091

m7
freq=862.00MHz
dB(S(3,1))=-0.5859

m8
freq=791.00MHz
dB(S(3,1))=-68.9907

m9
freq=821.00MHz
dB(S(3,1))=-68.8072

m10
freq=882.00MHz
dB(S(3,1))=-27.9819