

Two-TETRA-Station Combiner

A2CCxxxMxxxM5N

Revision record

Date	Version	Author	Revision description	Comment
2025/11/24	V1.0	Sam	Created	/
2025/12/12	V1.1	Lee	Updated the mechanical layout	Apex request

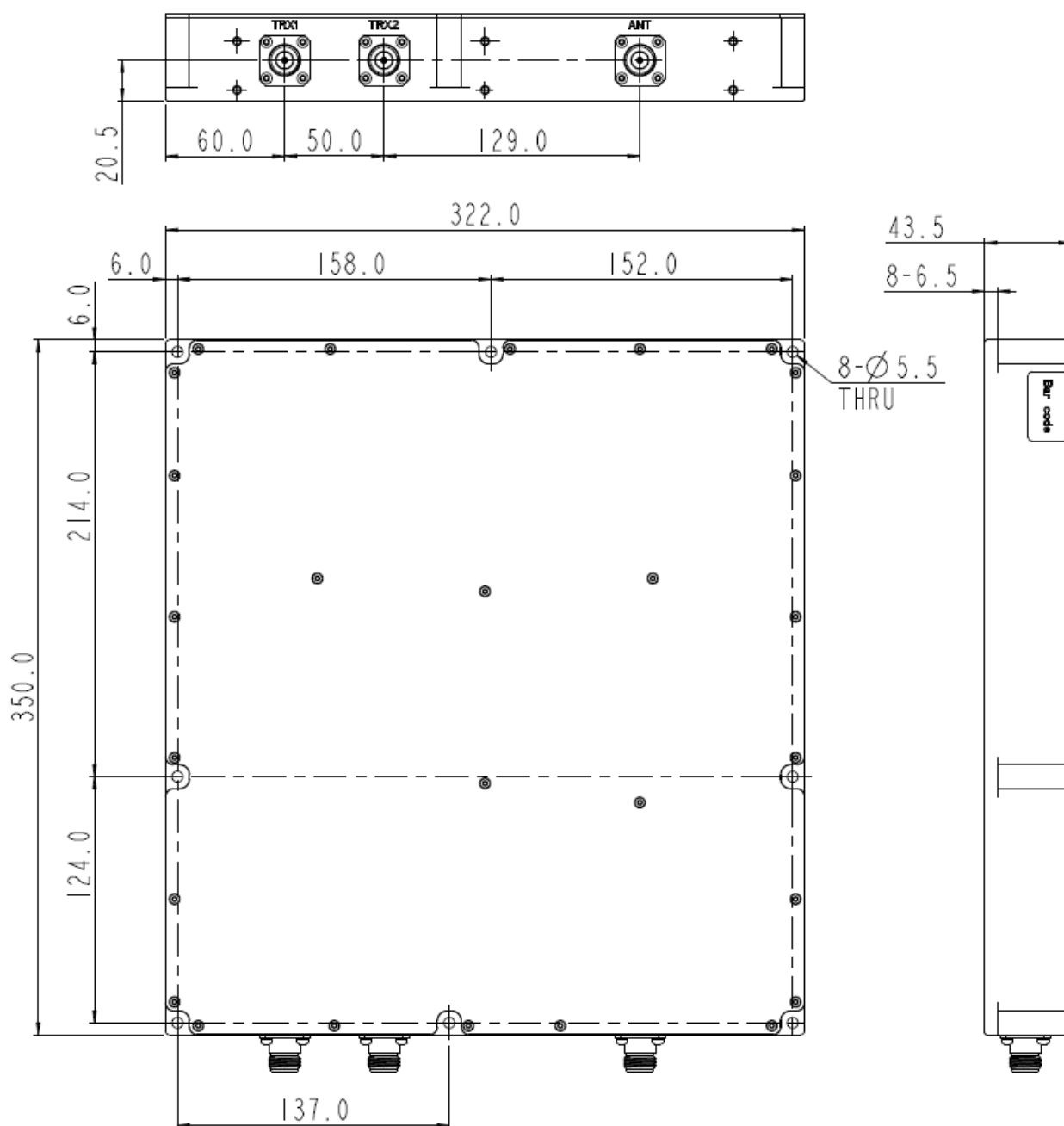
Electrical specification

Parameter		Tx (Frequency)	Rx (Frequency)
Model Number	A2CC380M395M5N	380-385MHz	390-395MHz
	A2CC405M420M5N	405-410MHz	415-420MHz
	A2CC410M425M5N	410-415MHz	420-425MHz
	A2CC415M430M5N	415-420MHz	425-430MHz
	A2CC420M435M5N	420-425MHz	430-435MHz
	A2CC425M440M5N	425-430MHz	435-440MHz
	A2CC430M445M5N	430-435MHz	440-445MHz
	A2CC435M450M5N	435-440MHz	445-450MHz
	A2CC440M455M5N	440-445MHz	450-455MHz
	A2CC445M460M5N	445-450MHz	455-460MHz
	A2CC450M465M5N	450-455MHz	460-465MHz
	A2CC455M470M5N	455-460MHz	465-470MHz
Insertion loss		≤6.0dB	
VSWR		< 1.35	
Isolation TRx-TRx		≥75dB@Tx-Tx ≥75dB@Rx-Rx ≥75dB@Tx-Rx/Rx-Tx	
Intermodulation		We have the capability to customize low intermodulation versions based on customer requirements.	
Max. Input power		25W per port	
Impedance all port		50Ω	

Mechanical specification

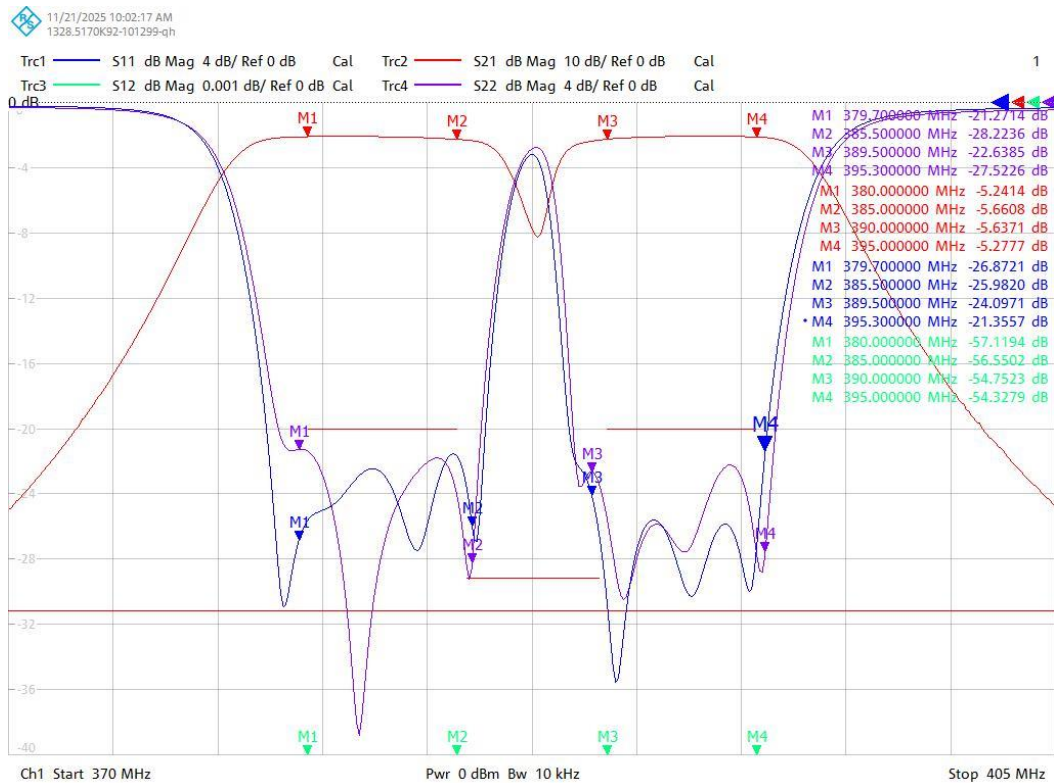
Parameter	Specification
Dimension	L x W x H: 322mm x 350mm x 43.5mm
Connectors	N-Female (We can also customize 4.3/10-Female and SMA-Female connectors)
Finish	Grey paint spray
Water Tolerance	IP62
Notes	Material shall be RoHS 6/6

Outline

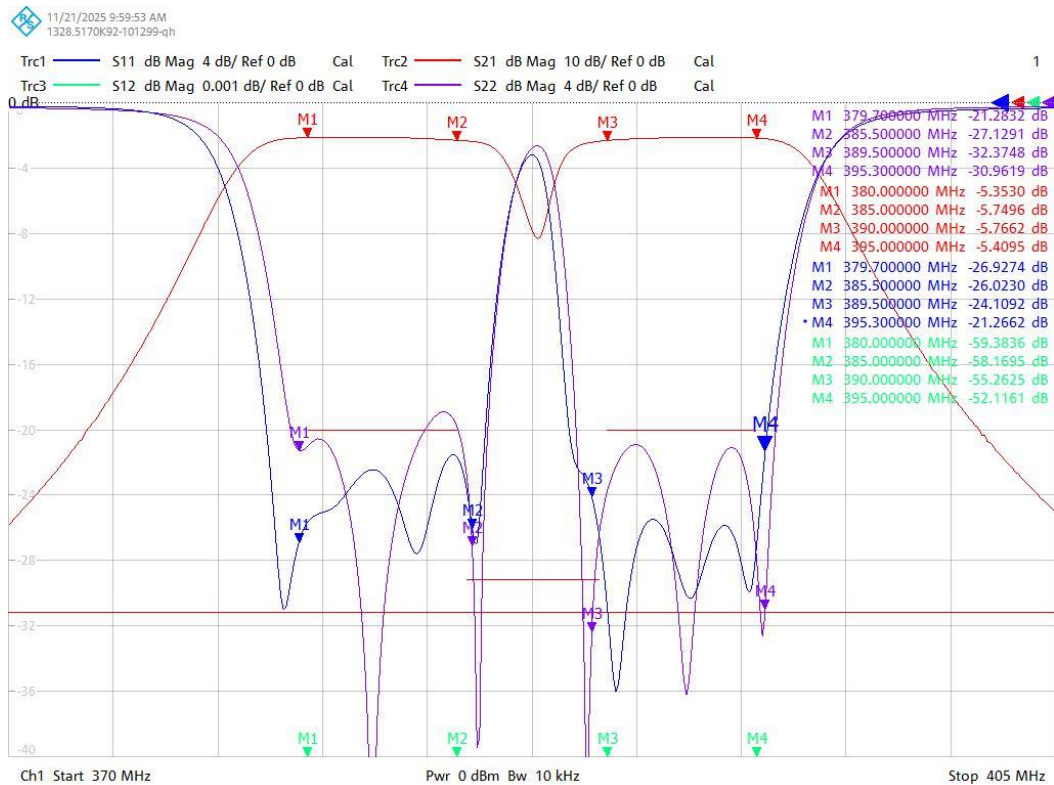


Test curve

Insertion loss & Return loss TRx1 port



Insertion loss & Return loss TRx2 port



Isolation TRx1 port - TRx2 port

