

Two-TETRA-Station Combiner

A2CCxxxMxxxM6.5N

Revision record

Date	Version	Author	Revision description	Comment
2025/12/5	V1.0	Sam	Created	/
2025/12/12	V1.1	Lee	Updated the mechanical layout	Apex request

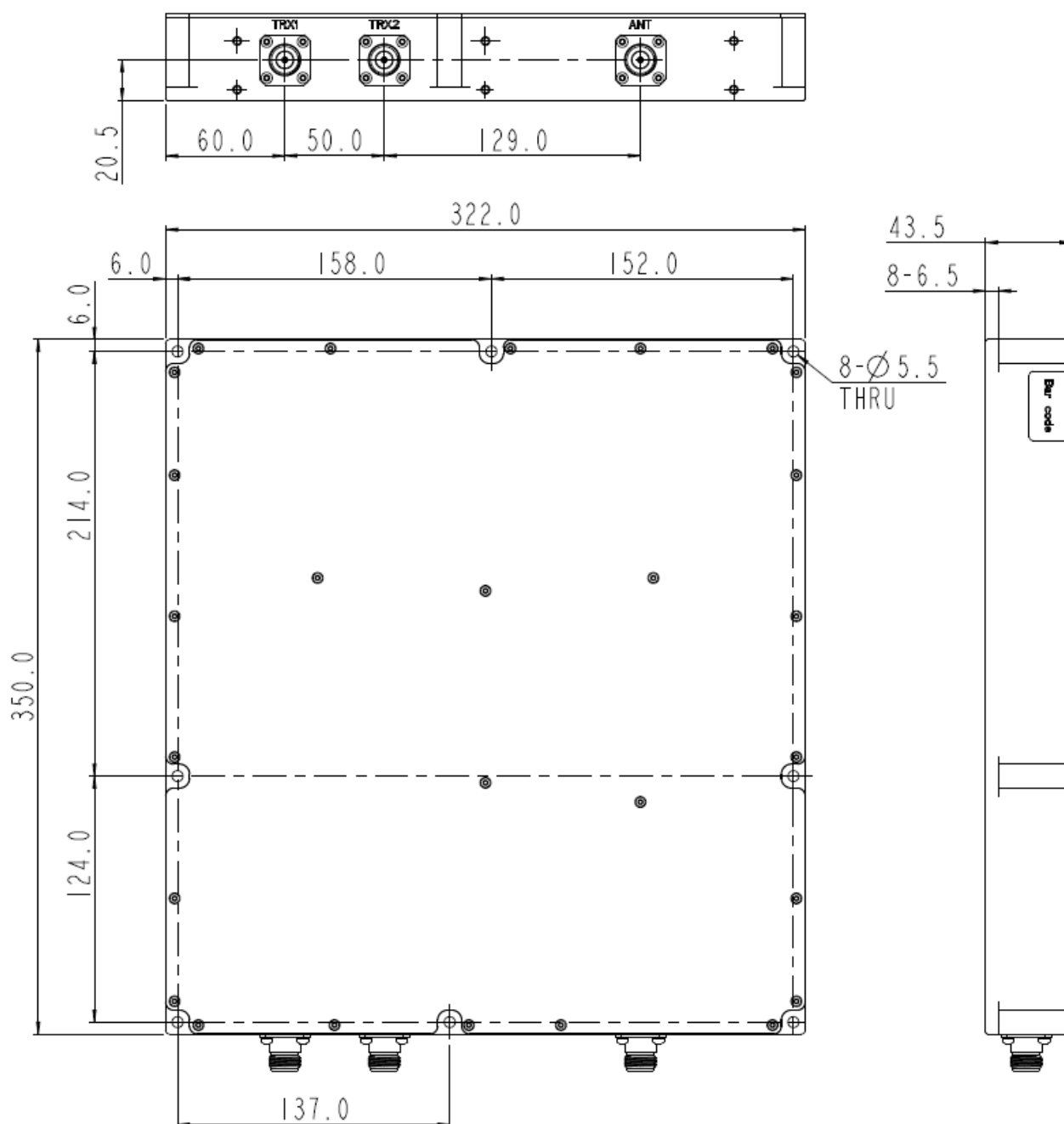
Electrical specification

Parameter		Tx (Frequency)	Rx (Frequency)
Model Number	A2CC380M396.5M6.5N	380-386.5MHz	390-396.5MHz
	A2CC405M421.5M6.5N	405-411.5MHz	415-421.5MHz
	A2CC410M426.5M6.5N	410-416.5MHz	420-426.5MHz
	A2CC415M431.5M6.5N	415-421.5MHz	425-431.5MHz
	A2CC420M436.5M6.5N	420-426.5MHz	430-436.5MHz
	A2CC425M441.5M6.5N	425-431.5MHz	435-441.5MHz
	A2CC430M446.5M6.5N	430-436.5MHz	440-446.5MHz
	A2CC435M451.5M6.5N	435-441.5MHz	445-451.5MHz
	A2CC440M456.5M6.5N	440-446.5MHz	450-456.5MHz
	A2CC445M461.5M6.5N	445-451.5MHz	455-461.5MHz
	A2CC450M466.5M6.5N	450-456.5MHz	460-466.5MHz
	A2CC455M471.5M6.5N	455-461.5MHz	465-471.5MHz
Insertion loss		≤6.6dB	
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

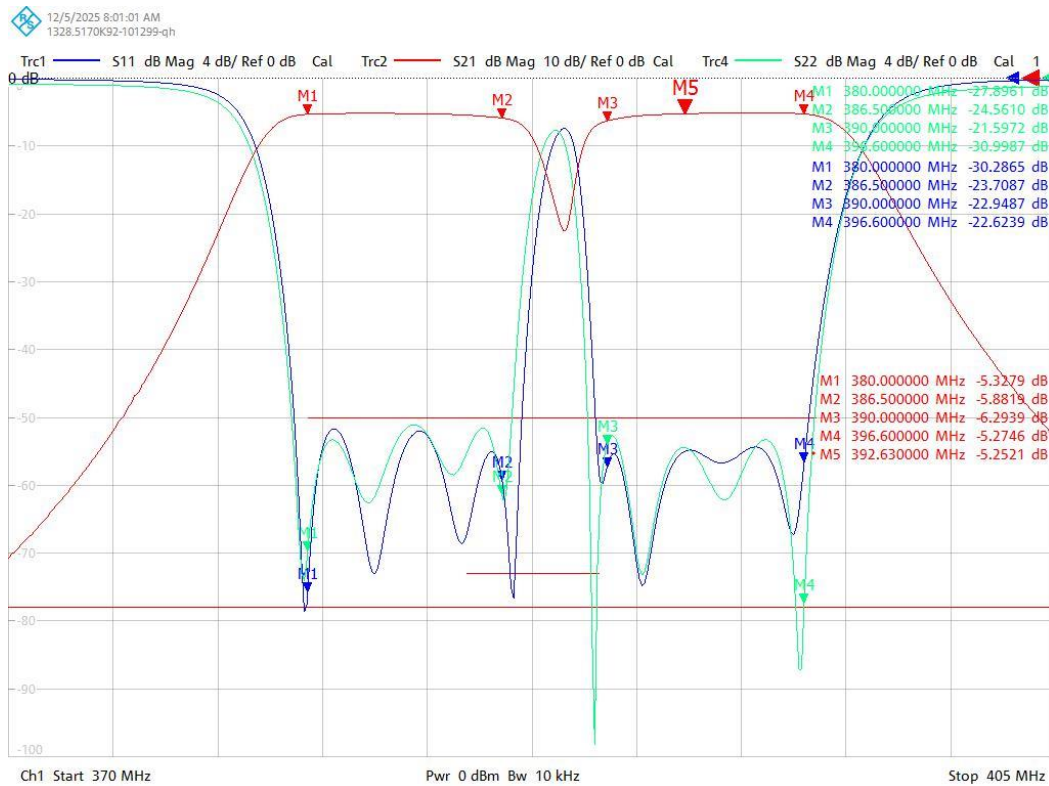
Parameter	Specification
Dimension	L x W x H: 322mm x 350mm x 43.5mm
Connectors	N-Female (We can also customize 4.3-10-Female and SMA-Female connectors)
Finish	Grey paint spray
Water Tolerance	IP62
Notes	Material shall be RoHS 6/6

Outline

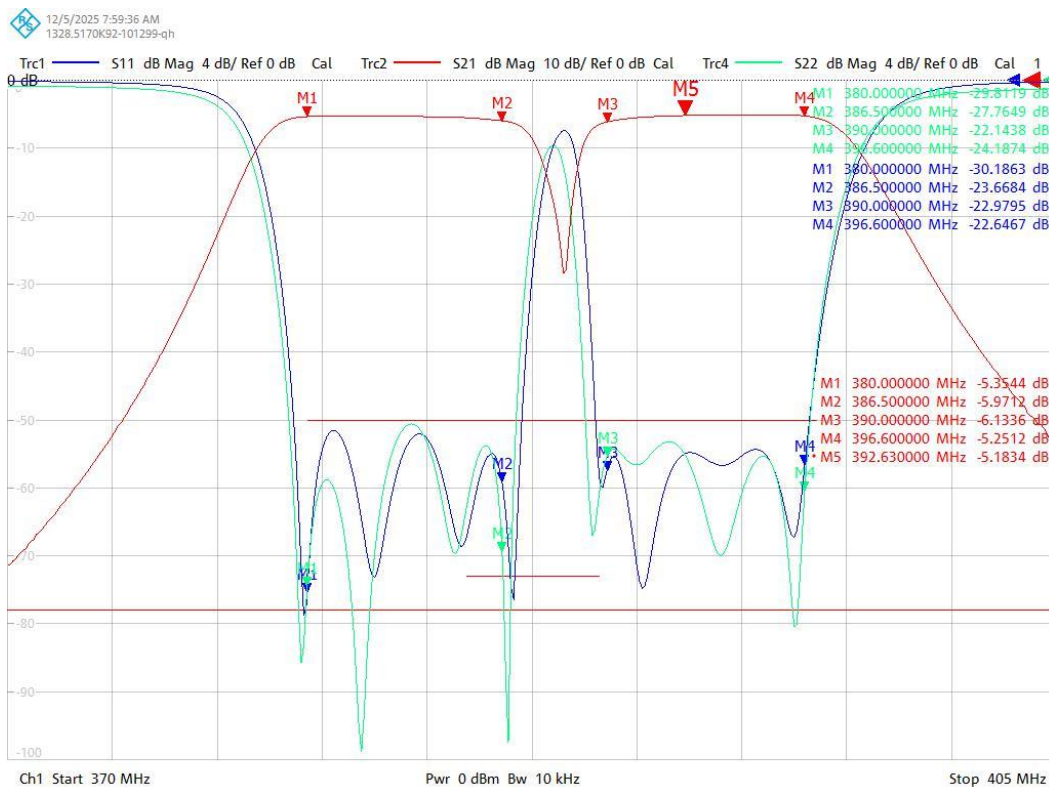


Test curve

Insertion loss & Return loss TRx1 port



Insertion loss & Return loss TRx2 port



Isolation TRx1 port - TRx2 port

