

AMA-2303-4T-270 OHM

4 WAY GPS POWER DIVIDER
1200-1700 MHz

www.rojone.com.au

PORT 1 (Diode Switched) (DC Bypass) PORT 2 (Diode Switched) (DC Bypass) PORT 3 (Input) PORT 4 (Diode Switched) (DC Bypass) PORT 5 (Diode Switched) (DC Bypass)

6 THRU HOLES Ø5

Label

Thermal Bottom

SPECIFICATIONS

- FREQUENCY RANGE: 1200-1700 MHz
- NUMBER OF PORTS: 4 PORT
- IMPEDANCE: 50Ω
- ISOLATION: 20dB TYP
- INPUT RF POWER: 50W MAX.
- INSERTION LOSS: 6.4dB Typ
- RETURN LOSS: -20dB TYP; 18dB MAX.
- AMPLITUDE BALANCE: <0.2dB TYP
- PHASE BALANCE: 5° TYP
- DC THRU: Diode switched DC Bypass to Input/270Ω Load Max.
30mA/8V DC power to GND per Port
- CONNECTOR: TNC-F
- OP. TEMPERATURE: -40 TO +85 °C
- WEIGHT: 650g MAX

NOTES:

- 1/ ROJONE PART No. DESIGNATIONS AMA-2303-4T-270 OHM
- 2/ AMA-2303-4T-270 OHM SPECIFICALLY MADE TO CATER FOR L1/L2 GPS AND GLOSSNAS.
- 3/ SOME RECEIVERS REQUIRE A DC "LOAD" THAT EMULATES AN ACTIVE ANTENNA. OUR STANDARD PRODUCT HAS 270Ω INTERNAL LOAD.
- 4/ ENCLOSED PLEASE FIND TEST REPORTS IN PDF FORMAT.
- 5/ ALL PORTS MUST BE TERMINATED IN 50Ω.

Note: See next page for test plot.

		ROJONE PTY LTD ACN 002691241 44 AERO RD INGLEBURN 2565 SYDNEY, AUSTRALIA		TITLE 4 Way GPS Splitter 1100MHz-1700MHz AMA-2303-4T-270OHM TNC FEMALE	
		Ph: (612) 9829 1555 Fax: (612) 9805 8812 Web: www.rojone.com.au E-mail: sales@rojone.com.au		DRWG No: 002004250199	
MATERIAL ALUMINIUM ALLOY BODY		DRAWN Y. GU		SCALE NTS	
FINISH		CHECKED		SHEET 1 OF 1	
APPROVED		FILENAME 002004250199ISSA.DWG		A4	

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES (mm) TOLERANCE: LINEAR +0.1 ANGULAR +1° REMOVE ALL BURRS AND SHARP EDGES

ISS	ZONE	DESCRIPTION	PER REQUEST	DATE

REVISION	DATE	CHECKED
A	20181218	B. G.

DO NOT SCALE

NA

Ref 0.00 dB

S11 S21 S22



Log

5.0

dB/

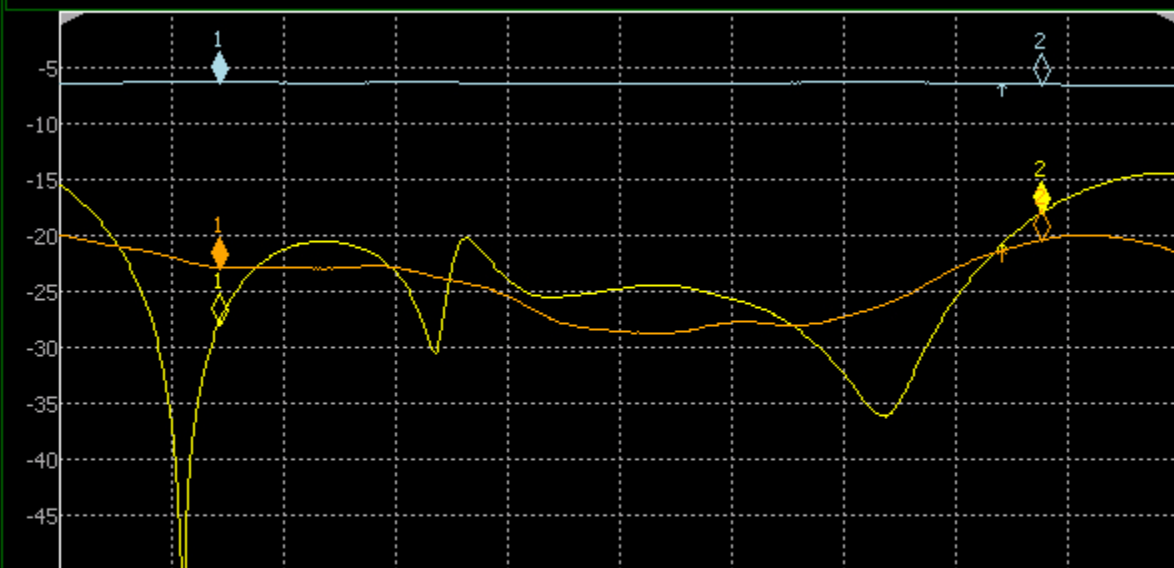
Cal

ON U

Data

Avg

1



M1: 1.1134688 GHz -27.90 dB

M2: 1.7000000 GHz -6.544 dB

M2: 1.7000000 GHz -18.06 dB

M1: 1.1134688 GHz -22.89 dB

M1: 1.1134688 GHz -6.390 dB

File Saved: [USBDISK]:\AMA-2300-4 Port1.sta

Start 1.000 GHz

IF BW 1 kHz

Stop 1.800 GHz

Points 601

Output Power -5.0 dBm

Swp 1.54 s