

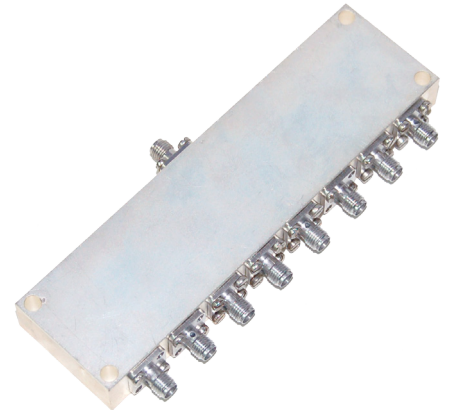


1000-1700 MHz 8-Way GPS Divider (Model: AMA-2251-1400-8MS)

Description

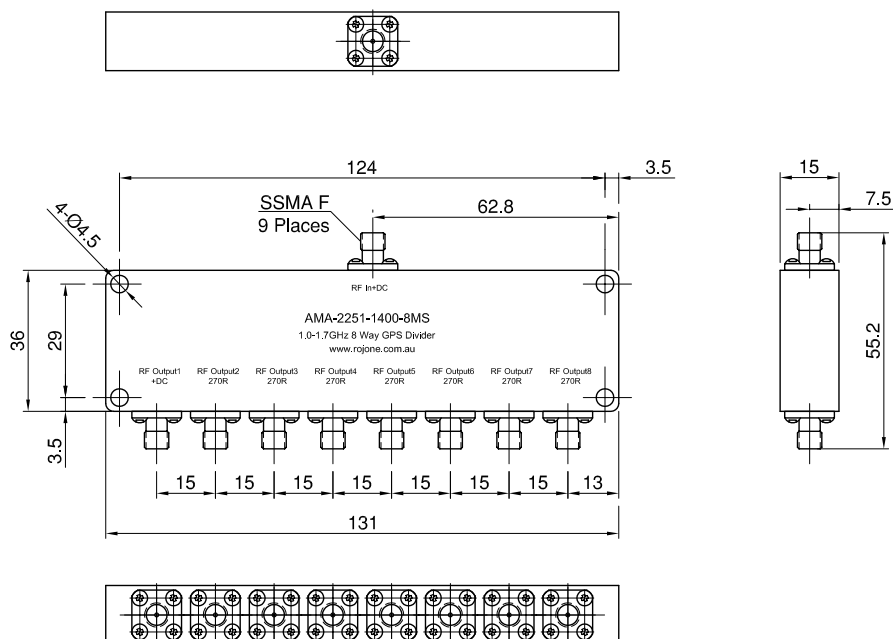
AMA-2251-1400-8MS is a high performance eight-way GPS divider, which covers all GPS and GLONASS bands from 1.0-1.7 GHz, such as L1, L2, L3, L5 and L7 bands.

DC supply from the GPS receiver can go through one output port while the other outputs are DC loaded with a 270 Ohm resistor for each port. The isolation between any two outputs is greater than 20dB.



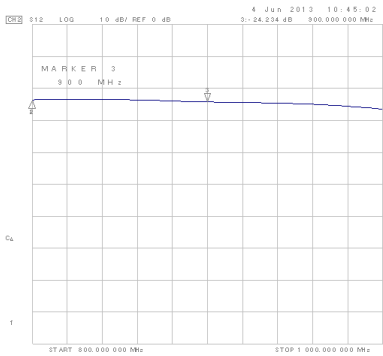
Specifications

Frequency	1000-1700 MHz
I/O Return Loss	> 18 dB (23 dB typical)
Isolation	> 18 dB (25 dB typical)
Through Loss	6.5 dB (typical)
Connectors	SMA Female
Impedance	50 Ohms
Input RF Power	10 W maximum
Operating Temperature	-30°C to +80°C
Humidity	< 95% no condensing
Weight	125 g approx.
Size	131 x 36 x 55.2 mm

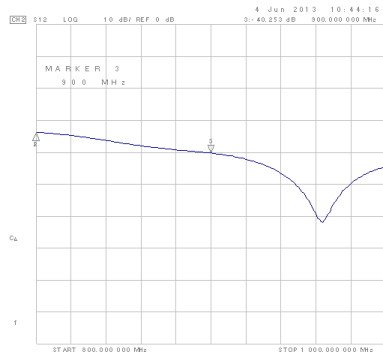




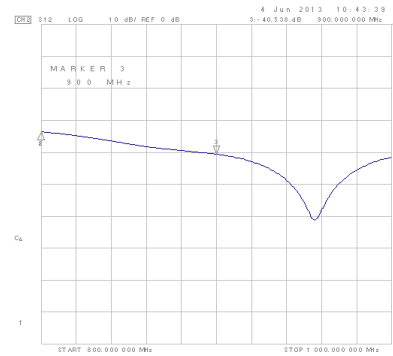
Test Results (Typical)



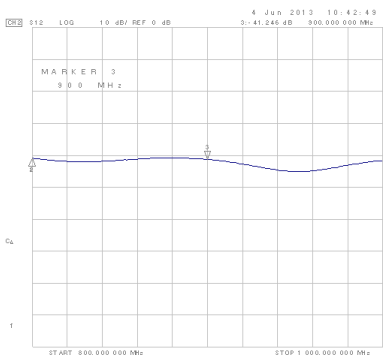
ISO P1-P2



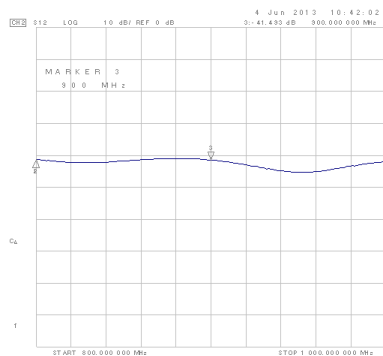
ISO P1-P3



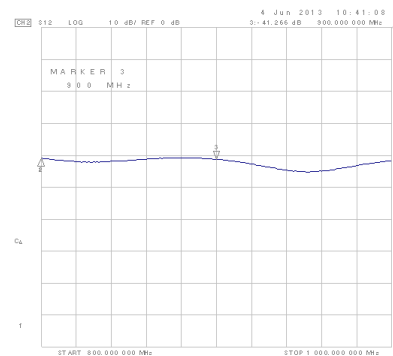
ISO P1-P4



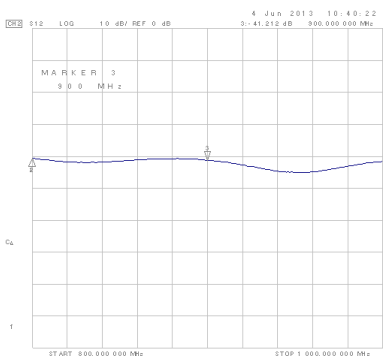
ISO P1-P5



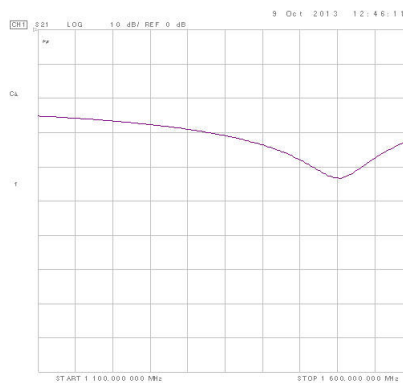
ISO P1-P6



ISO P1-P7



ISO P1-P8



Isolation Port 1 & 2



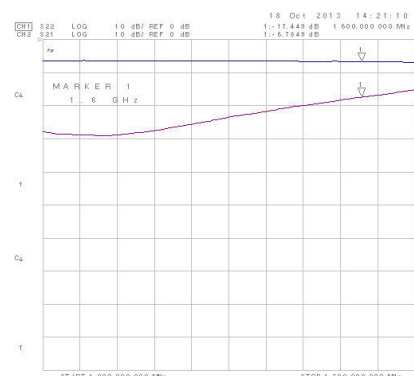
Isolation Port 1 & 3



Isolation Port 1 & 4



Port 1 S11



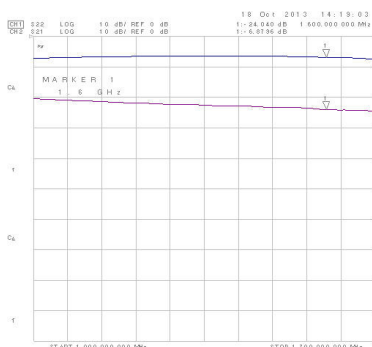
Port 1 S21 S22



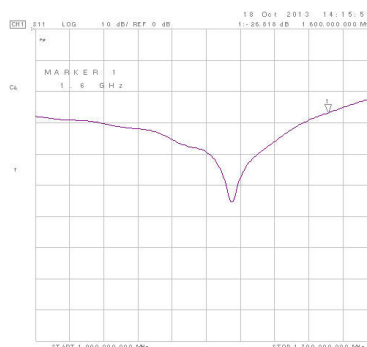
Test Results (Typical, Cont'd)



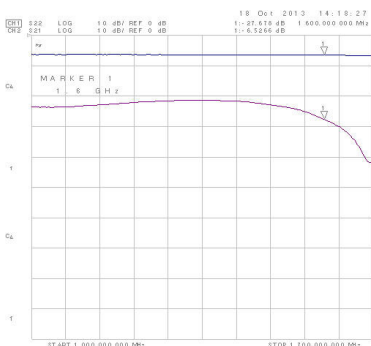
Port 2 S11



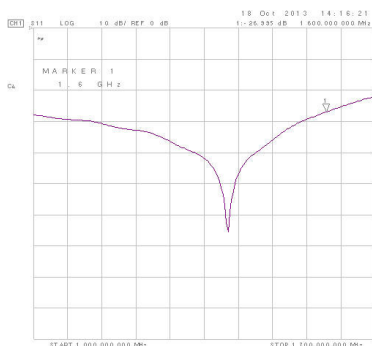
Port 2 S21 S22



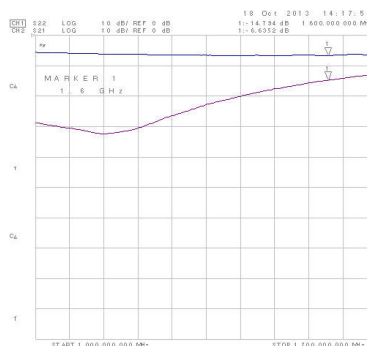
Port 3 S11



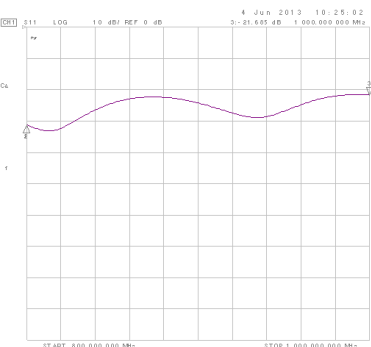
Port 3 S21 S22



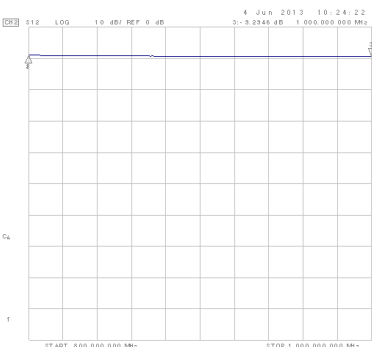
Port 4 S11



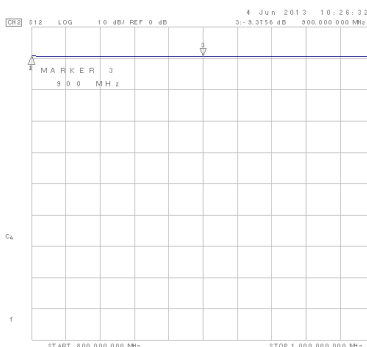
Port 4 S21 S22



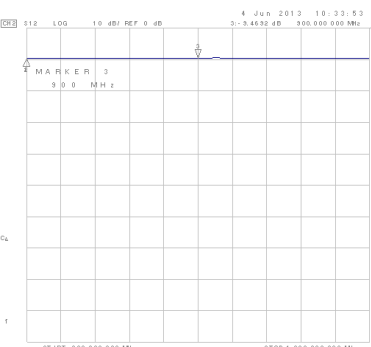
S11



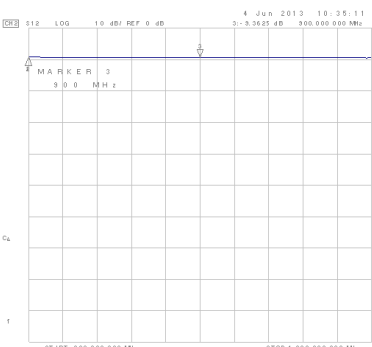
S21 Output 1



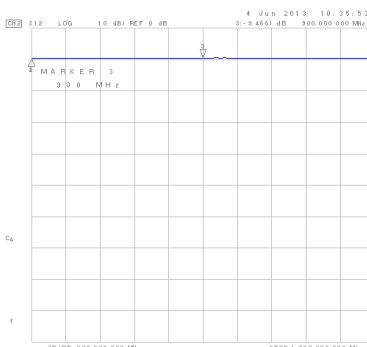
S21 Output 2



S21 Output 3



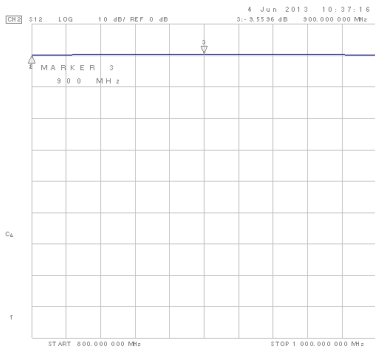
S21 Output 4



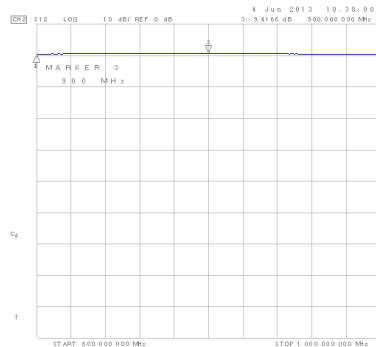
S21 Output 5



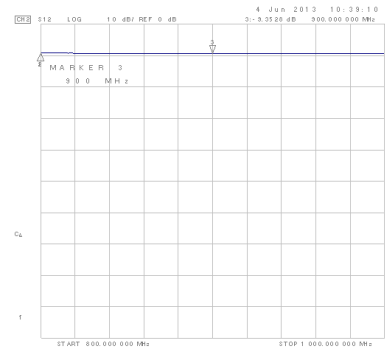
Test Results (Typical, Cont'd)



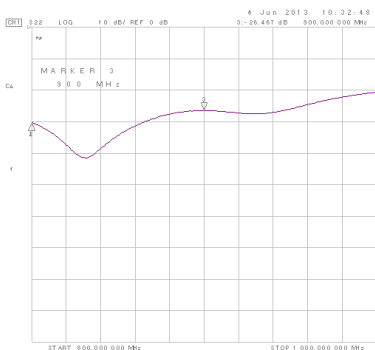
S21 Output 6



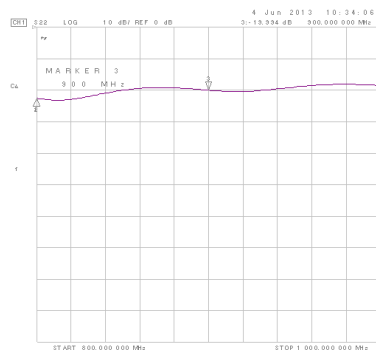
S21 Output 7



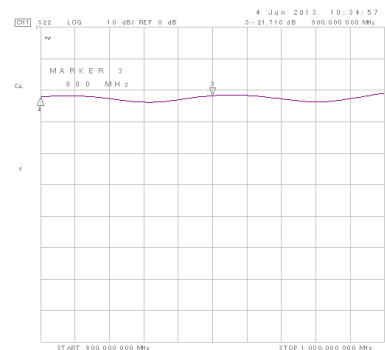
S21 Output 8



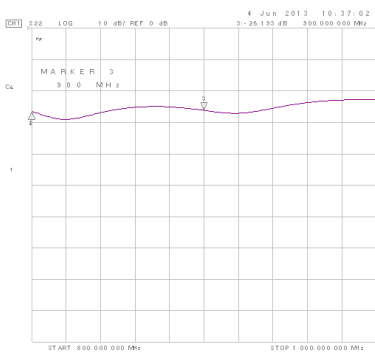
S22 OP 2



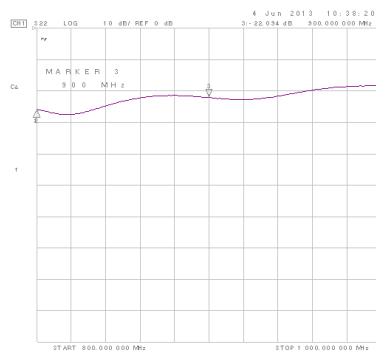
S22 OP 3



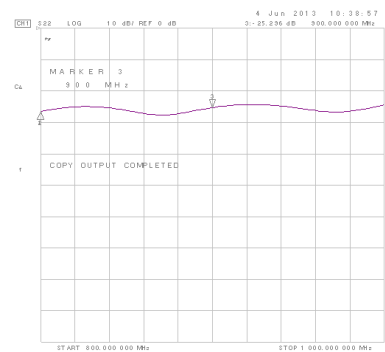
S22 OP 4



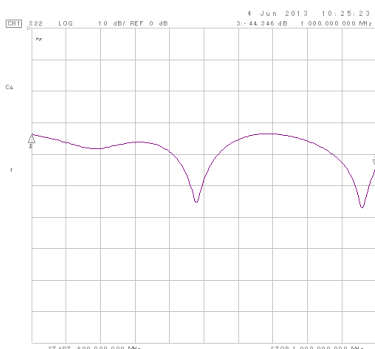
S22 OP 6



S22 OP 7



S22 OP 8



S22 Port 1