

2-Channel RX Power Splitter

DESCRIPTION

- Passive receiver power splitter.
- Large frequency range: 1500 MHz to 1650 MHz.
- High isolation between outputs: > 20 dB.
- To be used where RF-signals, especially GPS-signals, are to be divided or combined:
 - more receivers connected to the same coaxial cable
 - more GPS-antennas on the same coaxial cable
 - spectrum analyzer and GPS-receiver on the same coaxial cable.
- N-female on all ports. (Other connector types on request).
- Several DC-pass options available (see ordering designations).

SPECIFICATIONS

Electrical	
Model	PRO-RPS-2-GPS-N
Frequency	1500 - 1650 MHz
Insertion Loss	3.5 dB +/- 0.5 dB
Isolation Between Outputs	Min. 20 dB typ. = 25 dB
Maximum Input Power	Max. 0.5 W each port
Input VSWR	< 1.5:1 typically < 1.3:1
Output VSWR	Max. 1.5:1 typically < 1.3:1
No. Of Channels	2

Mechanical	
Connection(s)	N(f)
Dimensions	129 (incl. conn.) x 256 (incl. flanges) x 35 mm 5.08 x 10.08 x 1.38"
Weight	0.28 kg / 0.62 lb
Mounting	4 mm dia. (4 holes)

Environmental	
Operating Temperature Range	-30 °C to +60 °C

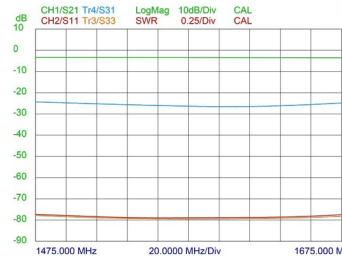
ORDERING

Type	Product No.	Description
PRO-RPS-2-GPS-N	210000765	DC pass between all ports
PRO-RPS-2-GPS-N-0DC	210002074	No DC pass
PRO-RPS-2-GPS-N-1DC	210001852	DC pass between RX port 1 and ANT port
PRO-RPS-2-GPS-N-2DC	210002143	DC pass from RX port 1 to ANT port and from RX port 2 to ANT port, but NOT from RX port 1 to RX port 2

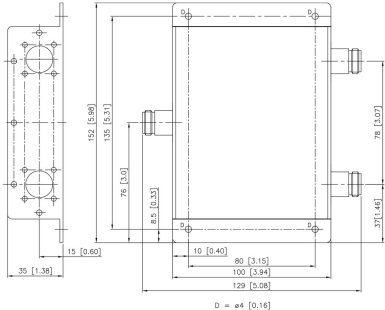


DIAGRAM

TYPICAL RESPONSE CURVE



MOUNTING DETAILS



All dimensions are given in mm [in.]