2-WAY, 0°, 1000-2000 MHz, DC BLOCK/LOAD ALL PORTS

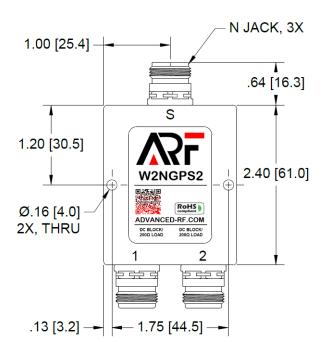
WEATHERPROOF

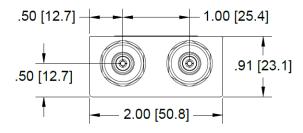
FEATURES

- WEATHERPROOF (IP67)
- GNSS (GPS, GALILEO, GLONASS, ETC)
- TWO (2) PORTS BLOCK DC W/200Ω INTERNAL LOAD
- HIGH ISOLATION (>25 dB AVG)

APPLICATIONS

- OUTDOOR
- GPS (US)
- GALILEO (EU)BEIDOU (CN)
- GLONASS (RU)
- QZSS (JP)
- IRNSS (IN)
- GNSS/L-BAND





OUTLINE DIMENSIONS: INCH [MM]

ELECTRICAL

FREQUENCY (MHz) 1000 - 2000 IMPEDANCE 50Ω

INSERTION LOSS (dB) 0.4 MAX (ABOVE -3.01 dB SPLIT)

 AMPLITUDE BALANCE (dB)
 0.2 MAX

 PHASE BALANCE (DEG)
 4 MAX

 ISOLATION (dB)
 25 MIN

 VSWR (PORT S)
 1.20:1 MAX

 VSWR (PORT 1,2)
 1.20:1 MAX

 VDC (VOLTS)
 15 MAX

 DC CURRENT (mA)
 75 MAX

RF POWER RATING (WATTS)

AS SPLITTER¹ AS COMBINER²

- 1) ALL OUTPUT PORTS MUST TERMINATE 50 OHM (LOAD VSWR 1.20:1 OR BETTER).
- 2) AS COMBINER OF NON-COHERENT SIGNALS, MAX INPUT POWER PER PORT.



MECHANICAL

CONNECTORS
CONTACT PINS
HOUSING
INSULATOR
O-RING/GASKET
TEMPERATURE
WEIGHT

N JACK, BRASS, TRI-ALLOY PLATE PHOSPHOR BRONZE, GOLD PLATE ALUMINUM, CHEMICAL FILM PTFE, VIRGIN ELECTRICAL GRADE SILICONE RUBBER

-55°C TO +85°C 200 GRAMS

MOVONCED RT weatherproof (IP67) power splitter/combiner model W2NGPS2 is a superior 2-way microstrip Wilkinson power divider covering all Global Navigation Satellite System (GNSS) frequency bands with an integrated DC block and 200Ω load on both output ports. This unique feature of the splitter may be necessary when validating multiple receiver performance in a testing environment and not connecting an active antenna. Using only a DC block can cause the receiver to detect a antenna fault. The 200Ω internal load solves this issue and draws the necessary current preventing receiver error. Circuit is tuned to maintain a perfect match for RF signal Tx/Rx. All Advanced RF splitters/combiners can be easily installed in our 1U-5U rack panels - providing flexible configuration options. RoHS compliant.

