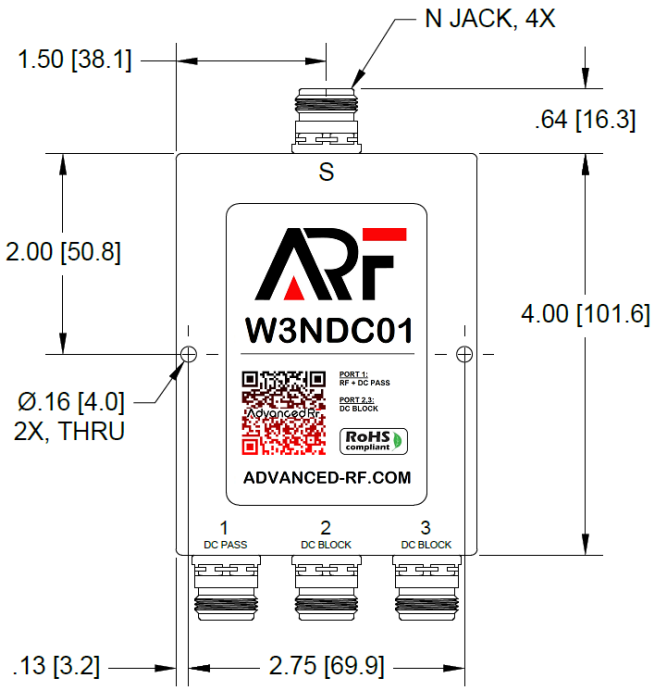
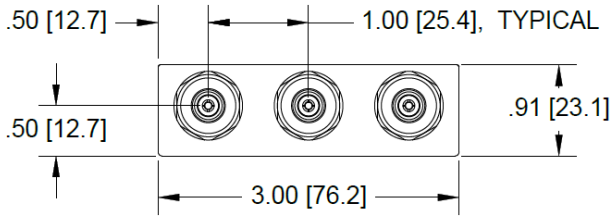
POWER SPLITTER/COMBINER
3-WAY, 0°, 698-4200 MHz , DC PASS ONE PORT

MODEL W3NDC01
WEATHERPROOF

FEATURES
- WEATHERPROOF (IP67)
- TWO (2) PORTS BLOCK DC (50V)
- PASS 10 MHz ALL PORTS
- HIGH ISOLATION (>25 dB AVG)

APPLICATIONS
- OUTDOOR
- 5G C-BAND
- GNSS/L-BAND
- DAS
- LTE
- W-CDMA
- GSM
- POWER REMOTE ANTENNA





OUTLINE DIMENSIONS: INCH [MM]

ELECTRICAL

FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	1.2 MAX (ABOVE -4.77 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.5 MAX
PHASE BALANCE (DEG)	5 MAX
ISOLATION (dB)	20 MIN
VSWR (PORT S)	1.35:1 MAX
VSWR (PORT 1-3)	1.30:1 MAX
VDC (VOLTS)	50 MAX

RF POWER RATING (WATTS)

AS SPLITTER[1]	AS COMBINER[2]
50	1.0

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	N JACK, BRASS, TRI-ALLOY PLATE
CONTACT PINS	PHOSPHOR BRONZE, GOLD PLATE
HOUSING	ALUMINUM, CHEMICAL FILM
INSULATOR	PTFE, VIRGIN ELECTRICAL GRADE
O-RING/GASKET	SILICONE RUBBER
TEMPERATURE	-55°C TO +85°C
WEIGHT	391 GRAMS

Advanced RF weatherproof power splitter/combiner model W3NDC01 is a superior three-way microstrip Wilkinson power divider circuit optimized for broadband performance from 698-4200 MHz with industry leading specifications for outdoor use or applications requiring ingress protection. The splitter circuit is tuned to include two DC block paths while maintaining a perfect match for RF signal Rx/Tx. All Advanced RF power divider/combiner models can be easily installed in our 1U-5U rack panels - providing flexible configuration options. RoHS compliant. Call 984-409-0029 today and speak with a sales engineer regarding your application.