

POWER SPLITTER/COMBINER

3-WAY, 0°, 698-4200 MHz

MODEL W3B0742

WEATHERPROOF

FEATURES

- BROADBAND, 698-4200 MHz
- WEATHERPROOF (IP67)
- LOW INSERTION LOSS (0.7 AVG)
- HIGH ISOLATION (>25 dB AVG)

APPLICATIONS

- OUTDOOR
- 5G C-BAND
- LTE
- UWB
- DAS
- PCS/DCS/UMTS
- GSM
- AND MORE

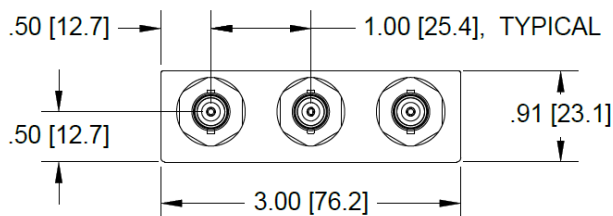
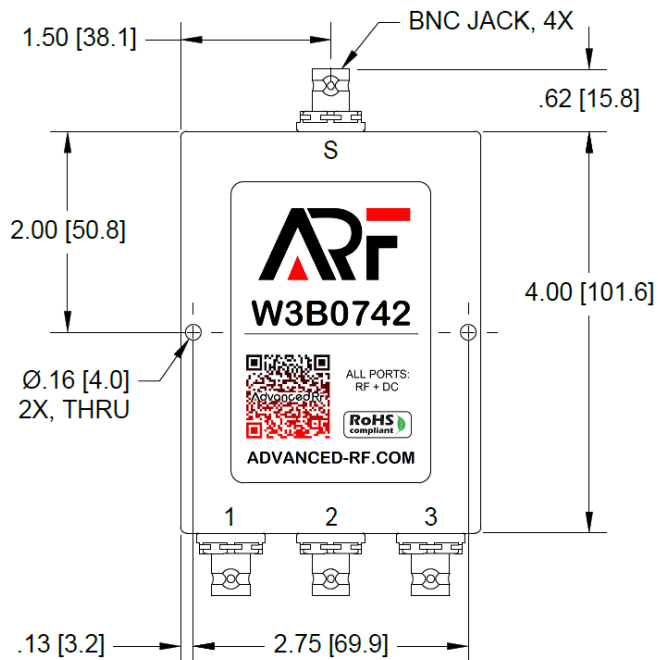
ELECTRICAL

FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	1.6 MAX (ABOVE -4.77 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.6 MAX
PHASE BALANCE (DEG)	4 MAX
ISOLATION (dB)	20 MIN
VSWR (PORT S)	1.45:1 MAX
VSWR (PORT 1-3)	1.25:1 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.



OUTLINE DIMENSIONS: INCH [MM]



MECHANICAL

CONNECTORS	BNC JACK, BRASS, TRI-ALLOY PLATE
CONTACT PINS	BERYLLIUM COPPER, GOLD PLATE
HOUSING	ALUMINUM, CHEMICAL FILM
INSULATOR	PTFE, VIRGIN ELECTRICAL GRADE
O-RING/GASKET	SILICONE RUBBER
TEMPERATURE	-55°C TO +85°C
WEIGHT	355 GRAMS

AdvancedRF weatherproof power splitter/combiner model W3B0742 is a superior 3-way microstrip Wilkinson power divider circuit optimized for broadband performance from 698-4200 MHz with industry leading specifications covering global communication bands. IP67 ingress protection provides confidence for critical applications in tough environments. All Advanced RF weatherproof power divider/combiner models can be easily installed in our 19" EIA 1U-5U rack panels - providing flexible configuration options. RoHS compliant. Call 984-409-0029 today and speak with a sales engineer regarding your application.

AdvancedRF