

# POWER SPLITTER/COMBINER

4-WAY, 0°, 698-4200 MHz

# MODEL W4B0742

WEATHERPROOF

## FEATURES

- BROADBAND, 698-4200 MHz
- WEATHERPROOF (IP67)
- LOW INSERTION LOSS (0.6 AVG)
- HIGH ISOLATION (>25 dB AVG)

## APPLICATIONS

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

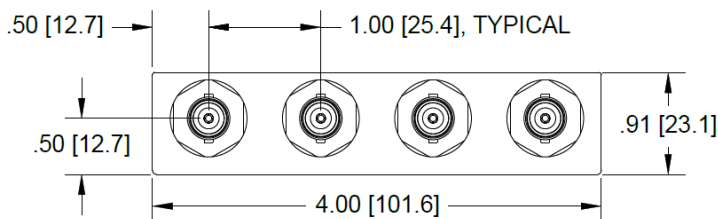
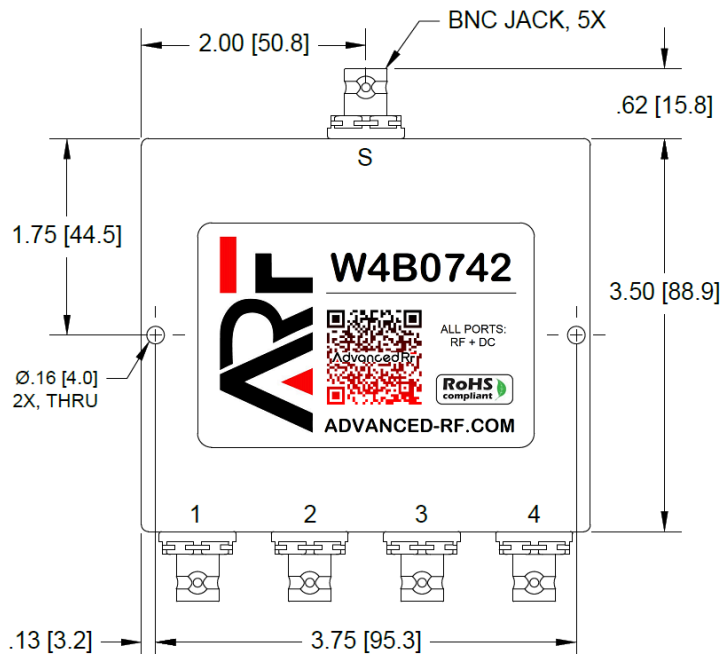
## ELECTRICAL

FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	1.1 MAX (ABOVE -6.02 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.2 MAX
PHASE BALANCE (DEG)	3 MAX
ISOLATION (dB)	22 MIN
VSWR (PORT S)	1.40:1 MAX
VSWR (PORT 1-4)	1.25:1 MAX

### RF POWER RATING (WATTS)

AS SPLITTER <sup>1</sup>	AS COMBINER <sup>2</sup>
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	404 GRAMS

**AdvancedRF** weatherproof power splitter/combiner model W4B0742 is a superior 4-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.

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