

POWER SPLITTER/COMBINER

4-WAY, 0°, 698-4200 MHz

MODEL 4S0742

FEATURES

- BROADBAND, 698-4200 MHz
- LOW INSERTION LOSS (0.6 AVG)
- HIGH ISOLATION (>25 dB AVG)
- RF + DC PASS ALL PORTS

APPLICATIONS

- 5G C-BAND
- LTE
- UWB
- WIMAX
- 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)	1.30:1 MAX
VSWR (PORT 1-4)	1.20:1 MAX

RF POWER RATING (WATTS)

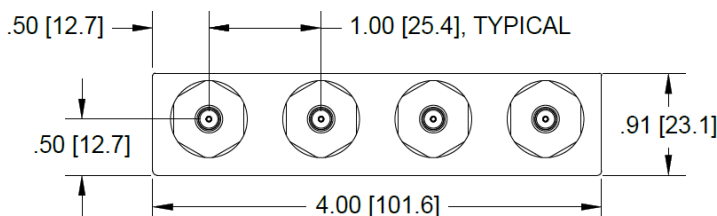
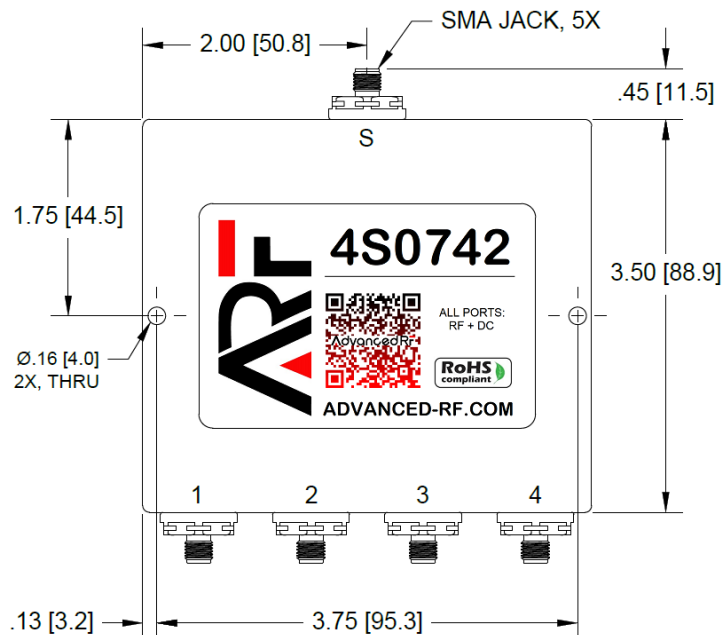
AS SPLITTER ¹	AS COMBINER ²
50	1.0

- 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.



MECHANICAL

CONNECTORS	SMA JACK, BRASS, TRI-ALLOY PLATE
CONTACT PINS	BERYLLIUM COPPER, GOLD PLATE
HOUSING	ALUMINUM, CHEMICAL FILM
INSULATOR	PTFE, VIRGIN ELECTRICAL GRADE
TEMPERATURE	-55°C TO +85°C
WEIGHT	394 GRAMS



OUTLINE DIMENSIONS: INCH [MM]

AdvancedRF power splitter/combiner model 4S0742 is a superior 4-way microstrip Wilkinson power divider circuit optimized to provide industry leading performance from 698 - 4200 MHz covering global communication bands. Also available with DC blocking options (4SDC01 and 4SDC02) or model W4S0742 for outdoor applications and environments where ingress protection is essential. All Advanced RF power splitter/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