

# POWER SPLITTER/COMBINER

## 2-WAY, 0°, 698-4200 MHz , DC PASS ONE PORT

# MODEL 2SDC01

### FEATURES

- BROADBAND, 698-4200 MHz
- ONE (1) PORT BLOCK DC (50V)
- PASS 10 MHz ALL PORTS
- HIGH ISOLATION (>25 dB AVG)

### APPLICATIONS

- 5G C-BAND
- GNSS
- GPS/L-BAND
- LTE
- POWER REMOTE ANTENNA
- GSM
- W-CDMA
- AND MORE

### ELECTRICAL

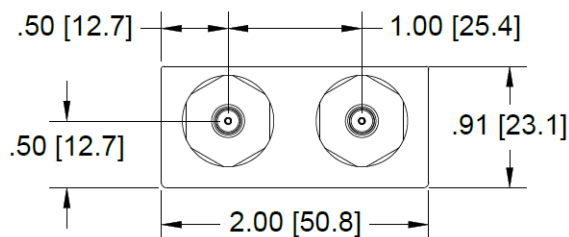
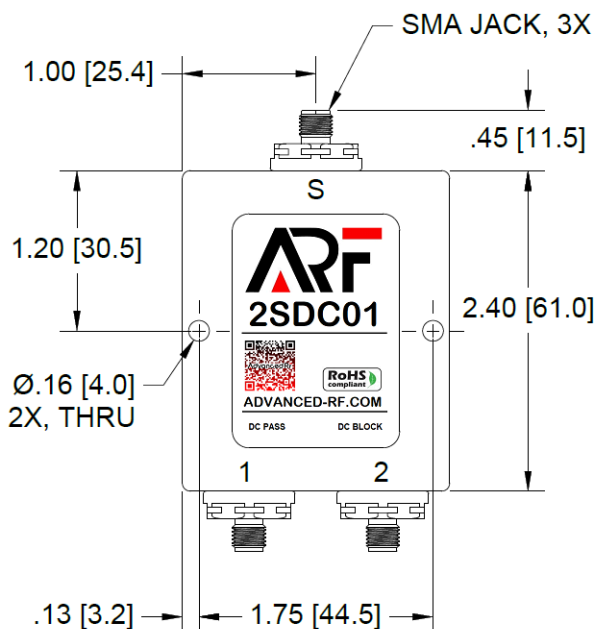
FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 $\Omega$
INSERTION LOSS (dB)	0.6 MAX (ABOVE -3.01 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.2 MAX
PHASE BALANCE (DEG)	4 MAX
ISOLATION (dB)	20 MIN
VSWR (PORT S)	1.20:1 MAX
VSWR (PORT 1,2)	1.20:1 MAX
VDC (VOLTS)	50 MAX

#### RF POWER RATING (WATTS)

AS SPLITTER<sup>1</sup>  
50

AS COMBINER<sup>2</sup>  
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	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	167 GRAMS

**AdvancedRf** power splitter/combiner model 2SDC01 is a superior 2-way microstrip Wilkinson power divider circuit optimized for broadband performance from 698-4200 MHz with industry leading specifications. The splitter circuit is tuned to include a DC block on one port while maintaining a perfect RF match for signal Tx/Rx. For outdoor use and harsh environments requiring ingress protection, model W2SDC01 adds o-rings and gaskets. Applications requiring a DC block on both output ports should use Model 2SDC02. All Advanced RF splitters/combiners can be easily installed in our 1U-5U rack panels - providing flexible configuration options. RoHS compliant. Call 984-409-0029 and speak with a sales engineer regarding your application.

# AdvancedRf