

POWER SPLITTER/COMBINER

2-WAY, 0°, 350-6000 MHz , DC BLOCK ALL PORTS

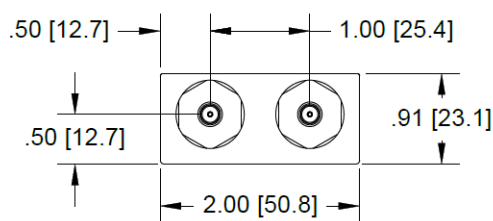
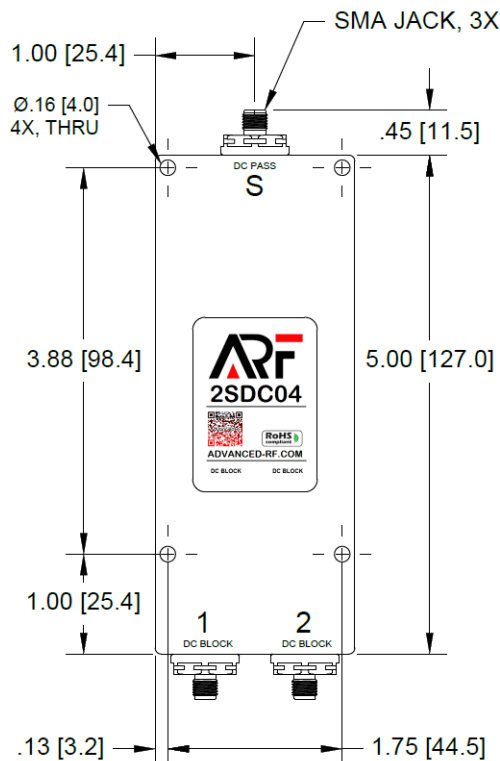
MODEL 2SDC04

FEATURES

- WIDEBAND, 350-6000 MHz
- TWO (2) PORTS BLOCK DC (50V)
- HIGH ISOLATION (>22 dB AVG)
- LOW INSERTION LOSS (0.6 dB AVG)

APPLICATIONS

- 5G (LOW BAND)
- PUBLIC SAFETY
- UHF
- WIMAX
- SATCOM
- GSM/ISM
- PCS/DCS/UMTS
- AND MORE



OUTLINE DIMENSIONS: INCH [MM]

ELECTRICAL

FREQUENCY (MHz)	350 - 6000
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	1.3 MAX (ABOVE -3.01 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.3 MAX
PHASE BALANCE (DEG)	6 MAX
ISOLATION (dB)	18 MIN
VSWR (PORT S)	1.30:1 MAX
VSWR (PORT 1,2)	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	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	310 GRAMS

AdvancedRf power splitter/combiner model 2SDC04 is a superior 2-way microstrip Wilkinson power divider circuit optimized for wideband performance from 350-6000 MHz with industry leading specifications. The splitter circuit is tuned to include DC block paths with no effect on RF signal Tx/Rx. For outdoor use and harsh environments requiring ingress protection, model W2SDC04 adds o-rings and gaskets. 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