

POWER SPLITTER/COMBINER

12-WAY, 0°, 698-4200 MHz , DC BLOCK ALL PORTS

MODEL 12SDC2

FEATURES

- BROADBAND, 698-4200 MHz
- TWELVE (12) PORTS BLOCK DC (50V)
- PASS 10 MHz ALL PORTS
- HIGH ISOLATION (>25 dB AVG)

APPLICATIONS

- 5G C-BAND
- DAS
- GPS/L-BAND
- WIMAX
- PCS/DCS/UMTS
- GSM
- W-CDMA
- AND MORE

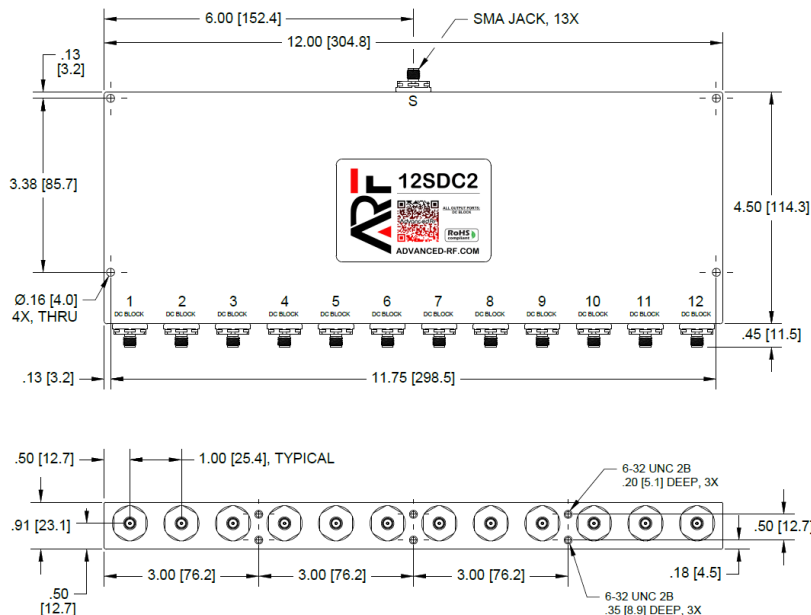
ELECTRICAL

FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	2.3 MAX (ABOVE -10.79 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.5 MAX
PHASE BALANCE (DEG)	10 MAX
ISOLATION (dB)	20 MIN
VSWR (PORT S)	1.50:1 MAX
VSWR (PORT 1-12)	1.20:1 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.



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	1411 GRAMS

AdvancedRF power splitter/combiner model 12SDC2 is a superior 12-way microstrip Wilkinson power divider circuit providing industry leading broadband performance from 698-4200 MHz. The circuit integrates DC blocking on all output ports while maintaining a perfect RF signal match on Tx/Rx. For outdoor applications or harsh environments requiring ingress protection, model W12SDC2 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