

POWER SPLITTER/COMBINER

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

MODEL W16SDC2

WEATHERPROOF

FEATURES

- WEATHERPROOF (IP67)
- SIXTEEN (16) PORTS BLOCK DC (50V)
- HIGH ISOLATION (>25 dB AVG)
- PASS 10 MHz ALL PORTS

APPLICATIONS

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

ELECTRICAL

FREQUENCY (MHz)	698 - 4200
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	2.3 MAX (ABOVE -12.04 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.4 MAX
PHASE BALANCE (DEG)	12 MAX
ISOLATION (dB)	22 MIN
VSWR (PORT S)	1.50:1 MAX
VSWR (PORT 1-16)	1.20:1 MAX
VDC (VOLTS)	50 MAX

RF POWER RATING (WATTS)

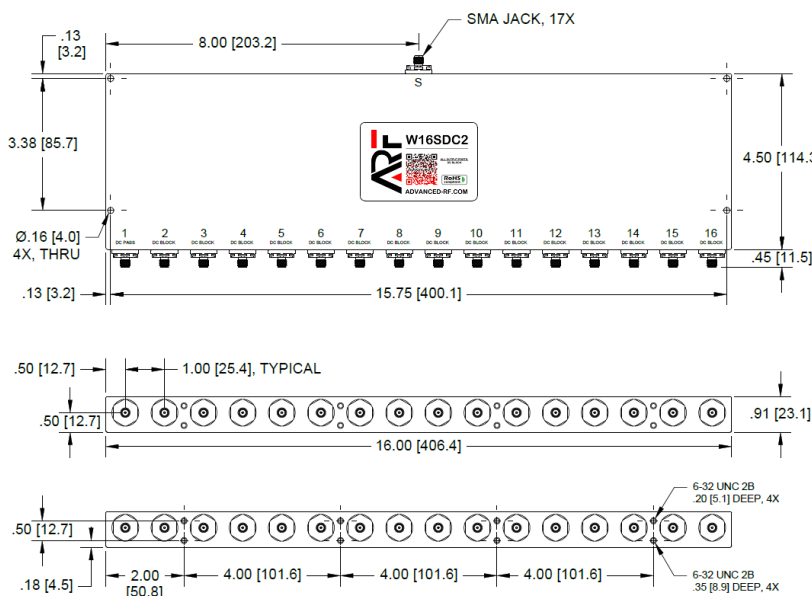
AS SPLITTER¹

50

AS COMBINER²

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
O-RING/GASKET	SILICONE RUBBER
TEMPERATURE	-55°C TO +85°C
WEIGHT	1890 GRAMS

AdvancedRf weatherproof power splitter/combiner model W16SDC2 is a superior sixteen-way microstrip Wilkinson power divider circuit optimized for broadband performance from 698-4200 MHz with industry leading specifications for outdoor use or harsh environment applications requiring ingress protection. The circuit is tuned to include sixteen DC block paths with no effect on RF signal Rx/Tx. Splitter model W16SDC1 is available with one DC pass path. All Advanced RF power divider/combiner models can be easily installed in our 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