POWER SPLITTER/COMBINER

MODEL 8S0727

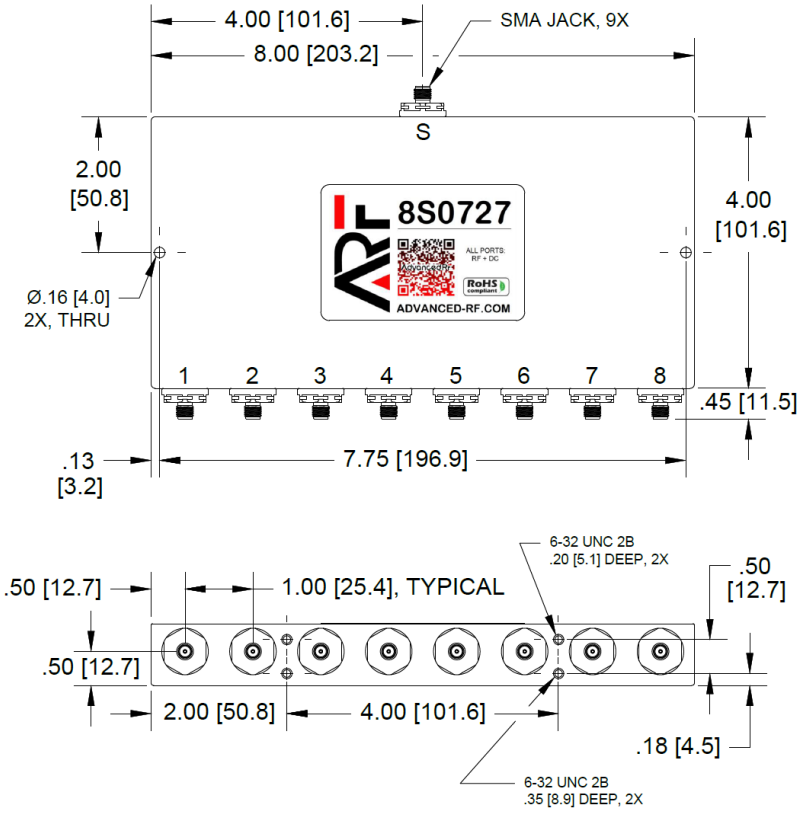
8-WAY, 0°, 698-2700 MHz

FEATURES

- BROADBAND, 698-2700 MHz
- LOW INSERTION LOSS (0.5 AVG)
- HIGH ISOLATION (>25 dB AVG)
- RF + DC PASS ALL PORTS

APPLICATIONS

- DAS
- 4G/LTE
- L-BAND
- WIMAX
- PCS/DCS/UMTS
- GSM
- CDMA
- AND MORE



OUTLINE DIMENSIONS: INCH [MM]

ELECTRICAL

FREQUENCY (MHz)	698 - 2700
IMPEDANCE	50 Ω
INSERTION LOSS (dB)	1.2 MAX (ABOVE -9.03 dB SPLIT)
AMPLITUDE BALANCE (dB)	0.2 MAX
PHASE BALANCE (DEG)	5 MAX
ISOLATION (dB)	22 MIN
VSWR (PORT S)	1.40:1 MAX
VSWR (PORT 1-8)	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	874 GRAMS

Advanced RF power divider/combiner model 8S0727 is a superior 8-way microstrip Wilkinson power divider circuit optimized to provide industry leading performance from 698 - 2700 MHz. Also available with DC blocking options (8SDC01 and 8SDC02) or model W8S0742 for outdoor applications and environments where ingress protection is required. 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.