

Switchable Combiners



Low Loss Switchable Divider / Power Combiner

- Divide One Low Power Signal into Four Phase & Amplitude Matched Signals
- Combine Any Combination of Up to Four Amplitude & Phase-Matched Amplifier Outputs to One Matched, High Power Output
- Superior Insertion Loss & VSWR Regardless of the Number of Combined Inputs

SPECIFICATIONS:

MODEL NUMBER	SWC10644
FREQUENCY RANGE	869 - 894 MHz
INPUT/OUTPUT VSWR ALL COMBINATIONS	1.4:1 MAX
PHASE DEVIATION BETWEEN PORTS	$\pm 2^\circ$
COMBINER INSERTION LOSS*	0.5 dB MAX (0.3 dB typ.)
POWER HANDLING: (COLD SWITCHING) AVERAGE POWER INTO EACH OF FOUR INPUTS	60 W MAX
COMBINED AVERAGE OUTPUT POWER	240 W
COMBINED PEAK OUTPUT POWER	6000 W MAX (14 dB Peak to Average)
ACTUATION	PULSE LATCHING, BREAK BEFORE MAKE
ACTUATING VOLTAGE	15 VDC
ACTUATING CURRENT	3.5 AMPS MAX FOR 50 mSEC MAX
OPERATING TEMPERATURE	0 - 65°C
OPERATING LIFE	100,000 CYCLES
DIMENSIONS	2.75" x 2.2" x 13.4"

* Any number of inputs

