



# TSC 2036C

## 1x6 Distribution Amplifier

### KEY FEATURES

- 1-20 MHz Frequency
- Yields 36 Outputs at 2nd Level
- Low Phase Noise
- High Channel Isolation
- Modular

The TSC 2036C is a 1 input, 6 output RF distribution amplifier. It provides six isolated copies of a single input. The unit operates over a frequency range of 1 MHz to 20 MHz. Fault sensing of signal level is provided on every output. (software required).

The TSC 2036C is part of Symmetricom's Modular System that makes it possible to integrate semi-custom timing systems.

Please contact Symmetricom with any specific requirements.



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## TSC 2036C Specifications

### ELECTRICAL SPECIFICATIONS

- RF Input
  - Frequency: 1 - 20 MHz
  - Input Level: 0 to 1 vrms (+13 dBm)
  - Impedance: 50 $\Omega$
  - Connectors: SMA Female
- RF Output (6 each)
  - Connectors: SMA Female
  - Output level: 13 dBm  $\pm$ 1 dB
  - Impedance: 50 $\Omega$
  - Harmonics: <-40 dBc
  - Spurious: <-80 dBc
- SSB Phase noise:
  - 1 Hz -135 dBc
  - 10 Hz -145 dBc
  - 100 Hz -155 dBc
  - 1 kHz -163 dBc
  - 10 kHz + -163 dBc
  - Isolation: >100 dB at 5 MHz
  - Gain: 1.0  $\pm$  10%

### ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

- Temperature: 0°C to 50°C
- Humidity: 0 to 95% non-condensing
- Power requirements: Powered by ISA buss in 2003 chassis
- Dimensions: 1 slot of 2003 chassis
- Weight: 2 lbs (0.81 Kg)



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