



# TSC 2032B/C/D/E

## Pulse Distribution Amplifier (1PPS - 1MPPS)

### KEY FEATURES

- Yields 64 Outputs at 2nd Level
- <50 ps Jitter
- Modular

Symmetricom's TSC 2032 accepts a pulse input and provides 8 replica outputs with very low timing skew. This module provides pulse distribution within the TSC 2000 modular series product line. Fault sensing of output level is provided on every output (controller and software required).

The TSC 2032 is part of Symmetricom's Modular System that makes it possible to integrate semi-custom timing systems.

Please contact Symmetricom with any specific requirements.



TSC 2032 Pulse Distribution Amplifier

## TSC 2032 Specifications

### ELECTRICAL SPECIFICATIONS

- 1PPS Output (8)
  - Output impedance: 50 $\Omega$
  - Load impedance: 50 $\Omega$
  - Logic one
    - 2032B/D: 4.5 volts minimum
    - 2032C/E: 3 volts minimum
  - Logic zero: +0.8 volts maximum
  - Rise time: <2.0 ns
  - Fall time: <2.0 ns
  - Jitter: <50 ps rms
  - Skew between outputs: <±500 ps
  - Mean module delay: <200 ps (2032D Only)
  - Connectors: SMA female
- 1PPS Input
  - Repetition rate
    - 2032B/C/D: 1PPS – 1 KPPS
    - 2032E: 1PPS – 1 MPPS
  - Duty cycle: 0 – 50%
  - Input impedance: 50 $\Omega$
  - Logic one: >2.4 V
  - Logic zero: +0.8 volts maximum
  - Connector: SMA female

### ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

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



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