



6602B

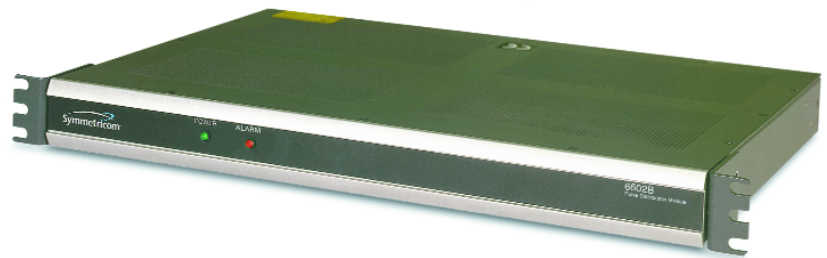
Pulse Distribution Module

KEY FEATURES

- Compact Rack Mount 1U High Package
- Ten Channel Output Distribution
- Daisy Chain for Up to 100 Outputs
- 9 ns Differential Delay Between Output

Symmetricom's 6602B Pulse Distribution Module is a ten-channel, pulse distribution amplifier packaged in a 1U rack mount chassis. The 6602B buffers and provides one pulse per second signal distribution to ten separate locations. The module's summary fault alarm output feature indicates an alarm whenever there is a single output fault condition.

The 6602B preserves input phase characteristics over a wide range of environmental conditions. A daisy chain of up to ten Symmetricom 6602B modules provides up to 100 output signals or with each output of one module as the input signal for other modules it provides almost infinite expansion capability with minimal signal degradation.



6602B Pulse Distribution Module

6602B Specifications

ELECTRICAL SPECIFICATIONS

- 1 PPS Output (ten)

Repetition rate:	1 PPS
Output impedance:	50Ω
Load impedance:	50Ω
Logic one:	+4.5 volts minimum
Logic zero:	+0.8 volts maximum
Pulse width:	20 μs nominal
Rise time:	<5 ns
Fall time:	<5 ns
Propagation delay:	25 ns
Differential delay:	<9 ns between any two outputs
Jitter:	1 ns rms
Connectors:	BNC female
- 1 PPS Input

Repetition rate:	1 PPS
Input impedance:	50Ω
Logic one:	+2.7 to 10.0 volts
Logic zero:	+0.0 to 0.8 volts
Pulse width:	20 μs Nominal
Rise time:	<5 ns
Fall time:	<5 ns
Connector:	BNC female
- Alarm Output
 - Summary alarm indicates failure of any signal
 - Each output & main: Red LED
 - Non-alarm condition: Relay energized (fail safe)
Form-C contacts
 - Alarm output disable: Panel switch
 - Connector: 9 pin D-male
- Controls & indicators
 - Power: Green LED, power is connected
 - Alarm: Red LED, signal output failure

ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

- Temperature (operating): 0°C to 55°C
- Relative humidity: 0 to 95%
- Power requirements
 - AC Input (±15%): 120 or 230 VAC, 10W
 - DC Input (optional): 22 to 70 VDC, 10W
- Dimensions
 - Height: 1U (~1.75") (4.44 cm)
 - Width: 19" (48.26 cm)
 - Depth: 12" (30.48 cm)



Rear View



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