



# DPA-10-1-40: DC to 10MHz Pulse Distribution Amplifier



## Key Features

- Input frequency 10 MHz sinewave.
- 80 x TTL differential outputs. 50:50 duty cycle.
- 40 outputs are 1 MHz squarewave derived from the 10 MHz input.
- 40 outputs are synchronized TTL pulses. Each output pulse is 1  $\mu$ s wide and its rising edge is synchronized to the 1 MHz falling edge.
- Separate synchronization input. Accepts an asynchronous trigger pulse of arbitrary length (10  $\mu$ s to 1 second typical).
- The above synchronization can be changed to other edges (rising or falling).
- Alarm monitoring. All outputs have alarm monitoring. Indication by LEDs or rear panel DC outputs.
- Optional internal back-up oscillator. Automatically switched in, if external input fails.
- Optional Redundancy (two units with automatic switchover)
- Many other options and customized options.

## General Description

The DPA-10-1-40 is a customer special pulse distribution amplifier. This brochure highlights Precision Test Systems design capability for special one-off projects.

## Miscellaneous Information

The DPA-10-1-40 is a highly reliable unit. The DPA1-40 is housed in a fully screened 19" rack mount case and operates from a 100 to 240 VAC supply (usable 90 to 260 VAC). The DPA1-40 is CE marked for sale within the EEC.

Inside of Unit showing internal wiring



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Full specifications available from [www.ptsyst.com](http://www.ptsyst.com). Specifications and features subject to change without notice (101221)