

OSA 5030 PPS Distribution Unit

A compact, cost efficient, high quality synchronisation distribution solution for OEM and integrators

OSA 5030 Square Wave Distribution Unit

A compact, cost efficient, high quality PPS distribution solution for OEM and integrators

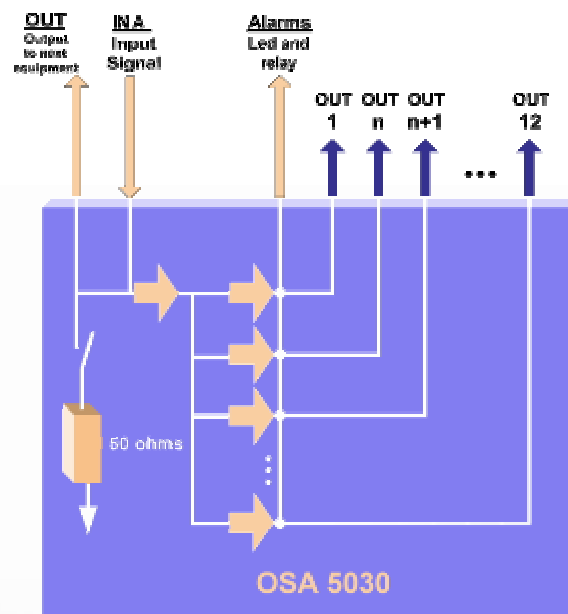
The OSA 5030 is specifically designed for applications where the square wave is the only acceptable type of signal.

The OSA 5030 PPS Distribution Unit is very easy to install. The unit does not require any type of configuration as the output signals are direct image of input signal. The rack-mount unit is easily installed and smoothly integrates with existing equipment.



Highlights:

- Reliable, low cost, compact
- Input frequency 1PPS to 50 MHz maximum
- 12 outputs
- BNC connectors for all inputs and outputs
- AC power supply (90-264 Vac)
- Several OSA 5030 can be placed in cascade to extend total output capacity



The leading partner for your synchronisation needs

Technical specifications 5030

Typical Applications

- Time and frequency distribution unit
- Any system requesting square wave distribution

Typical Characteristics

<p>Power supply:</p> <ul style="list-style-type: none"> ➤ AC Power supply: 90 to 264 VAC (47 - 63 Hz) ➤ Consumption: 10 W 	<p>Environmental characteristics:</p> <ul style="list-style-type: none"> ➤ Operating temperature: 0 to 55°C ➤ Storage temperature: -10° to +60°C ➤ Humidity: 0 to 95% non condensing
<p>Configuration and monitoring:</p> <ul style="list-style-type: none"> ➤ Configuration: None ➤ Monitoring: Alarm contact on Sub-D 9p connector (normally open or closed) 	<p>EMC, ESD & SAFETY - CE Mark</p> <ul style="list-style-type: none"> ➤ EMC, ESD: Certified to EN55022: 2005 and EN55024: 2005 Susceptibility to IEC 801 parts 2, 3, 4, 5 and 6 ➤ Safety: Conformance to EN60950: 2001
<p>Input specifications:</p> <ul style="list-style-type: none"> ➤ Connector: BNC female ➤ Frequency range: 1PPS to 50 MHz ➤ Impedance: 50 ohms or not loaded (Selection by switch) ➤ Input level: Low level : -0.5 to 1.5V High level : 3.5 to 10V ➤ Input qualification: Loss of signal-Level detection 	<p>Mechanical:</p> <ul style="list-style-type: none"> ➤ Mounting: 19" rack mount ➤ Size: 43 x 484 x 310 mm (1U x 19" x 12") ➤ Weight: -3kg (7 lbs) excluding packing ➤ Connector access: Rear
<p>Output specifications:</p> <ul style="list-style-type: none"> ➤ Connector: BNC female ➤ Frequency range: 1PPS to 50 MHz (as input signal) ➤ Gain: Unit ➤ Output level: Low level : 0 to 0.4V High level : 4.5 to 5.1V ➤ Output Impedance: 50Ω ➤ Rise time: < 2ns 	

Oscilloquartz SA reserves the right to change all specifications contained herein at any time without prior notice.

Version 02 / August 2006/LLLU

A COMPANY OF THE SWATCH GROUP

Oscilloquartz SA - Rue des Brévardes 16 - CH-2002 Neuchâtel - Switzerland - Tel. : +41 32 722 55 55 - Fax : +41 32 722 55 56 - osa@oscilloquartz.com - www.oscilloquartz.com

The leading partner for your
synchronisation needs