

TEKTRONIX

80A06

The Tektronix 80A06 PatternSync Trigger Module is a single-slot accessory for the Tektronix DSA8300, DSA8200, CSA8200, and TDS8200 series sampling oscilloscopes. It provides programmable pattern-triggering capabilities by accepting a clock input from 150 MHz to 12.5 GHz and generating a synchronized pattern trigger output, enabling precise jitter analysis and pattern waveform characterization on high-speed serial data signals.

SPECIFICATIONS

General

Interfaces	Mainframe proprietary interface, SMA female connectors (Clock Input, Clock Output, Trigger Output)
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Physical

Power Supply	Powered directly from the mainframe slot
Operating Temperature	10 °C to 40 °C °C
Dimensions (W×H×D)	79 mm × 25 mm × 135 mm mm

Performance

Clock Input Frequency Range	150 MHz to 12.5 GHz
Clock Input Sensitivity	100 mV p-p to 2.0 V p-p
Supported Pattern Lengths	2 to 8,388,608 (2 ²³) bits
Clock Input Impedance	50 Ω nominal
Added Jitter	< 200 fs RMS (typical)

System Compatibility

Compatible Mainframes	DSA8300, DSA8200, CSA8200, TDS8200, CSA8000, TDS8000
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Physical & Mechanical

Module Slot Width	1 slot (small module size)
Connector Type	SMA Female

Environmental & Compliance

Operating Humidity Range	20% to 80% RH (non-condensing)
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Outputs

Output Impedance	50 Ω
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Inputs

Clock Input Configuration	Single-ended
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Environmental

Operating Altitude	3,000 m (9,843 ft.)
Non-operating Altitude	12,190 m (40,000 ft.)

TECHNOLOGY

Sampling Oscilloscope Triggering Module

APPLICATIONS

High-speed serial data pattern triggering and jitter analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.