

8000 Series Pre-Scaled Trigger Amplifier

▶ 80A01



▶ Features & Benefits

Improved Instrument
Pre-scaled Trigger Sensitivity:
– ≤ 200 mV (8 to 12.5 GHz),
Typical

▶ Applications

Non-standard Rate Optical
Communications
Conformance Testing

High-speed Electrical
Signal Analysis

The 80A01 Pre-scaled Trigger Amplifier provides enhanced triggering capability on low-level signals up to 12.5 Gb/s. This module is ideally suited for component designers and manufacturers who are verifying the performance of optical and electrical components that run at non-standard clock rates up to 12.5 GHz. The 80A01 can be applied to the development of components for SONET/SDH systems with Forward Error Correction at rates other than the standard 9.953 Gb/s. This would include long-haul data transmission, such as underwater fiber optic networks. The 80A01 fits into any of four small module slots on the TDS8000 / CSA8000.

▶ Characteristics

Input/Output Impedance – 50 Ω .

Input/Output Connectors – SMA.

Coupling – AC.

Trigger Level – Fixed at 0 V.

Maximum Input Voltage – 1.1 V_{p-p} .

Amplifier Bandwidth – 8-12.5 GHz.

Instrument Trigger Sensitivity with 80A01 Installed – ≤ 200 mV, 8-12.5 GHz, typical.

Physical Characteristics

Dimensions	mm	in.
Width	79	3.1
Height	25	1.0
Depth	135	5.3
Weight	kg	oz.
Net	0.4	13

COMPUTING

COMMUNICATIONS

VIDEO

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▶ Ordering Information

80A01

Pre-scaled Trigger Amplifier.

Includes: User manual, 2 – SMA 50 Ω terminating caps.

Option R3 – Extended repair warranty to three years.

Recommended Accessories

Cables – Two SMA precision cables (50 Ω , 2 nS, with connector, SMA, male each end, > 15 GHz).
Order: 015-0560-00.

Contact Tektronix

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