

# 8000 Series Prescaled Trigger Amplifier

## 80A01 Data Sheet



### Features & Benefits

- Improved Instrument Prescaled Trigger Sensitivity:
  - $\leq 200$  mV (8 to 12.5 GHz), Typical

### Applications

- Nonstandard Rate Optical Communications Conformance Testing
- High-speed Electrical Signal Analysis

The 80A01 Prescaled Trigger Amplifier provides enhanced triggering capability on low-level signals up to 12.5 Gigabits per second. This module is ideally suited for component designers and manufacturers who are verifying the performance of optical and electrical components that run at nonstandard 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<sub>p-p</sub>.

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	lb.
Net	0.4	13

## Ordering Information

### 80A01

Prescaled 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.

CE marking not applicable.

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