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Test & Measurement

- sales
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- calibration
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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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20 GHz Single-ended TDR Probe

► P8018



► Features & Benefits

20 GHz Probe Tip Bandwidth

50 Ω Impedance
TDR Passive Probe

Undisturbed 50 Ω Probe
Reference Section

Includes 20 GHz
Precision SMA Cable

Probe Tip Pressure
Actuation Feature used to
Actuate 80A02 EOS/ESD
Protection Module

► Applications

Circuit Board Controlled
Impedance Testing (TDR)

Designed for Use
with 80A02 EOS/ESD
Protection Module

The **P8018 Handheld TDR Probe** is a greater than 20 GHz, 50 Ω input impedance, single-ended passive probe with a precision 20 GHz bandwidth SMA cable that provides a high performance solution for electrical sampling TDR circuit board impedance characterization and high-speed electrical signal analysis applications. The P8018 probe can be used as a stand alone high bandwidth probe, but it is specially designed with features to be used with the 80A02 EOS/ESD Protection Module for protecting the sampling bridge of Tektronix electrical sampling modules from damage due to electro-overstress (EOS) and electro-static discharge (ESD) where large static charges can be stored in the DUT.

The P8018 provides a unique probe tip pressure actuating feature and control circuit which, used with the matching **80A02 EOS/ESD Protection Module**, enables a superior technique and performance capability for electrical sampling module EOS/ESD protection of acquired electrical signals and TDR measurements. (See 80A02 product description.)

COMPUTING

COMMUNICATIONS

VIDEO

20 GHz Single-ended TDR Probe

► P8018

► Characteristics

Nominal Length with Cable – 1 meter.

Attenuation – 1X.

Probe Only Bandwidth – >20 GHz.

Probe Pitch – 1.8 mm (signal to ground).

Cable Bandwidth – 20 GHz.

Connector Type – SMA.

Measured Reflected TDR Fall Time – <38 ps spec (<28 ps typical measure with 80E04).

Loading Input – 50 Ω .

Max V_{in} – 5.0 V.

Probe Only Propagation Delay – 1.0 ns.

TDR Control Activation Force – 200 to 260 grams.

(Note: numeric values shown are typical.)

► Ordering Information

P8018

20 GHz Single-ended TDR Probe.

Includes: 20 GHz bandwidth 50 Ω input impedance, single-ended passive handheld probe with precision 20 GHz SMA cable, 20 each replaceable ground clips.

Replaceable Items

016-1936-00 – 20 each Ground Clips.

174-4879-00 – 20 GHz SMA Cable with Parallel Control Line (1 Meter Length).

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Our most up-to-date product information is available at:
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