

TEKTRONIX

S-4

The Tektronix S-4 is a high-speed oscilloscope sampling head designed for use in compatible Tektronix sampling plug-ins such as the 7S11, 7S12, and 3S2. It provides an equivalent bandwidth of 14 GHz with a risetime of 25 ps or less, making it suitable for ultra-fast time domain measurements and high-resolution TDR applications. The S-4 features a 50-ohm input impedance and is equipped with a 3 mm SMA male connector.

SPECIFICATIONS

Physical

Operating Temperature	0 °C to +50 °C °C
-----------------------	-------------------

General Information

Product Type	Sampling Head
Compatible Sampling Plug-ins	Tektronix 3S2, 3S5, 3S6, 7S11, 7S12

Vertical / Signal Acquisition Performance

Risetime (10% to 90%)	≤ 25 ps
Equivalent Bandwidth	14 GHz
Maximum Linear Input Range	±1 V

Input Characteristics

Input Connector Type	3 mm SMA (Male)
Input Impedance (Resistance)	50 Ω
Coupling Modes	DC
Maximum Safe Input Voltage (DC + Peak AC)	±5 V

Performance

Tangential Noise	≤ 5 mV
------------------	--------

TECHNOLOGY

Analog Sampling

APPLICATIONS

High-Speed Time Domain Analysis / TDR

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