ORTEC

ORTEC 552

Pulse-shape analyzer / timing SCA

Combines amplitude analysis with two constant-fraction channels for pulse-shape and timing measurements, with separately selectable timing fractions.



Dynamic range	Minimum lower threshold	Linear input range
200:1 [1]	**40 mV** [1]	**0…+10 V** [1]

Specifications

DETECTOR

Window width	0–1 V	[1]

PERFORMANCE

Minimum negative-output pulse-pair resolution	260 ns	[1]

MEASURING RANGE

Dynamic range	200:1	[1]
Linear input range	0…+10 V	[1]

ELECTRONICS & SIGNAL

Minimum lower threshold	40 mV	[1]
Output delay	0.1–1.1 µs	[1]
Input impedance	1 kΩ	[1]

GENERAL

A fractions	0.1, 0.2 or 0.5 (internal PWB jumper; factory-set to 0.1)	[1]
B fractions	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9	[1]

Sources

[1] **552 Pulse-Shape Analyzer/Timing SCA**
ORTEC (AMETEK) · datasheet · p. 1, Specifications – Performance; p. 2, Specifications; p. 2, Inputs (INPUT) · checked 2026-10-16
https://web.archive.org/web/20231020175606/http://www.ortec-online.com/-/media/ametekortec/brochures/5/552-a…

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.