ORTEC

ORTEC 579

Timing amplifier

ORTEC 579 – timing amplifier from ORTEC. Channels: 1.



Channels

1 [1]

Specifications

PERFORMANCE

Integral nonlinearity	<±1 %; ±5 V into 50 Ω	[1]
Input noise at maximum gain	<10 µV rms; typically 5 µV; integration = differentiation = 200 ns	[1]

MEASURING RANGE

Linear output into 50 Ω	0–±5 V	[1]

ELECTRONICS & SIGNAL

Channels	1	[1]
Input signal	±1 V AC; ±5 V AC with internal ×5 attenuator (max. DC ±35 V)	[1]
Gain	0.9–500; range includes internal ×5 attenuator	[1]

ENVIRONMENT & RATINGS

perating temperature	0–50 °C	[1]

GENERAL

Rise time, filters out	<8 ns	[1]
Integration/differentiation times	ut; 10; 20; 50; 100; 200; 500 ns	[1]

Sources

[1] **579 Fast-Filter Amplifier**
RTEC (AMETEK) · datasheet · p. 1, description; p. 3 ordering; p. 1, Performance; p. 1, Controls (Coarse Gain) · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

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.