ORTEC

ORTEC 863

Timing amplifier

ORTEC 863 – timing amplifier from ORTEC. Channels: 4.



Channels
4 [1]

Specifications

PERFORMANCE

Integral nonlinearity	<±0.5 %; ±5 V into 50 Ω	[1]
Input noise	<50 µV rms; maximum gain, filters Out	[1]

MEASURING RANGE

Linear output into 50 Ω	0–±5 V	[1]

ELECTRONICS & SIGNAL

Channels	4	[1]
Input signal	0 to ±1.0 V AC signal; 0 to ±2 V DC offset; max. ±2 V signal plus offset	[1]
Gain	Coarse ×1 or ×5 × fine ×2–×50 (nominal); overall nominally 2–250	[1]

ENVIRONMENT & RATINGS

perating temperature	0–50 °C	[1]

GENERAL

Rise time, filters out	<10 ns	[1]
Integration	Out or 50 ns	[1]
Differentiation	Out or 200 ns	[1]

Sources

[1] **863 Quad Timing Filter Amplifier**
ORTEC (AMETEK) · datasheet · p. 1, description; p. 1, Specifications – Performance; p. 1, Performance · 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.