ORTEC

ORTEC FTA820A

Timing amplifier

Eight separate fast amplifiers for fast linear detector signals in one NIM module.



Channels
8 [1]

Specifications

PERFORMANCE

Equivalent input noise	≤20 µV rms	[2]

MEASURING RANGE

utput into 50 Ω	0––5 V	[2]

ELECTRONICS & SIGNAL

Channels	8	[1]
Gain per channel	200 ±10 %; non-inverting	[2]
Bandwidth	10–350 MHz	[2]
Propagation delay variation between channels	≤30 ps	[2]
Input impedance	50 Ω	[2]

CONNECTIVITY & INTERFACE

Signal connectors	LEMO	[2]

GENERAL

Rise time	≤1 ns	[2]

Sources

[1] **FTA820A – Octal Fast Timing Amplifier**
ORTEC (AMETEK) · datasheet · p. 1 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **FTA820A Octal Fast Timing Amplifier**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/ampl...

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.