ORTEC

ORTEC 9301

Preamplifier

Fast preamplifier positioned close to the detector to amplify small, fast signals.



Voltage gain	utput rise time	Equivalent input noise
10 ±2 %; non-inverting [1]	**<1.5 ns** [2]	**<25 µV rms** [1]

Specifications

Voltage gain	10 ±2 %; non-inverting	[1]
utput rise time	<1.5 ns	[2]
Equivalent input noise	<25 µV rms	[1]
Linear output range	>±0.7 V into 50 Ω	[2]
Input impedance	50 Ω	[1]
Input connector	BNC	[2]
utput connector	BNC	[1]

Sources

[1] **9301 – Fast Preamplifier**
ORTEC (AMETEK) · datasheet · p. 1 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **9301 Fast Preamplifier**
RTEC (AMETEK) · product-page · Specifications; product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/prea...

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.