ORTEC

ORTEC 9327

Amplifier and timing discriminator

Amplifier and timing discriminator for ultrafast detector signals and picosecond timing.



Selectable input range
0––30 mV or 0––150 mV [1]

Equivalent input noise
<100 µV rms; 0––30 mV range [1]

Walk
Typically <±40 ps; top 90% of full scale, 300 ps FWHM input pulse [1]

Specifications

Selectable input range	0––30 mV or 0––150 mV	[1]
Equivalent input noise	<100 µV rms; 0––30 mV range	[1]
Walk	Typically <±40 ps; top 90% of full scale, 300 ps FWHM input pulse	[1]
Timing jitter	<20 ps FWHM; 50% full scale, 300 ps FWHM input pulse	[1]
Pulse pair resolution	<10 ns; fast negative NIM outputs	[1]
perating temperature	0–50 °C	[1]
Transmission delay temperature sensitivity	<10 ps/°C; 0–50 °C, 50% full scale, 300 ps FWHM pulse	[1]
Input connector	SMA	[2]

Sources

[1] **9327 1-GHz Amplifier and Timing Discriminator**
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...

[2] **Model 9327 1-GHz Amplifier and Timing Discriminator – Operating and Service Manual**
ORTEC (AMETEK) · manual · p. 9 · 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.