ORTEC

ORTEC GG8020

Octal gate and delay generator

Eight independent channels for delaying and shaping logic pulses, each providing two fast negative NIM outputs and one TTL output.



Independent channels	Short delay range	Long delay range
8 [1]	**70–1000 ns** [1]	**.4–10 µs** [2]

Specifications

PERFORMANCE

Typical dead time	Delay + output pulse width + 20 ns	[2]

MEASURING RANGE

Short delay range	70–1000 ns	[1]
Long delay range	0.4–10 µs	[2]
Short pulse-width range	70–1000 ns	[1]
Long pulse-width range	0.4–10 µs	[2]

ELECTRONICS & SIGNAL

Independent channels	8	[1]
Minimum input pulse width	10 ns	[1]
Input impedance	50 Ω	[1]

GENERAL

Delay jitter	<0.04% of selected delay	[1]

Sources

[1] **Model GG8020 Octal Gate and Delay Generator – Hardware Manual**
ORTEC (AMETEK) · manual · p. 7 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **GG8020 Octal Gate and Delay Generator**
RTEC (AMETEK) · product-page · Specifications – Delay, S or L; Specifications – Width, S or L; product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/dela...

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.