ORTEC

ORTEC 499

Fast/slow NIM logic converter

Converts pulses between fast NIM and TTL logic, with polarity inversion in groups of four channels.



NIM-to-TTL channels	TTL-to-NIM channels	Maximum NIM-to-TTL frequency
8 [1]	**8** [1]	**60 MHz** [1]

Specifications

NIM-to-TTL channels	8	[1]
TTL-to-NIM channels	8	[1]
Maximum NIM-to-TTL frequency	60 MHz	[1]
Maximum TTL-to-NIM frequency	40 MHz	[1]
Minimum NIM input pulse width	10 ns	[1]
Minimum TTL input pulse width	12 ns	[1]
TTL output delay	≤8 ns	[1]
NIM output delay	≤10 ns	[1]
Input/output impedance	50 Ω	[1]

Sources

[1] **499 Fast/Slow NIM Logic Converter**
RTEC (AMETEK) · datasheet · p. 1, description; p. 1, Operating Frequency; p. 1, Specifications – Inputs and Outputs · 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.