ORTEC

ORTEC 296

PMT base with preamplifier

ORTEC 296 – PMT base with preamplifier from ORTEC. PMT co mpatibility: 10-stage, 14-pin; JEDEC B14-38. Weight: 0.5 kg net.



PMT compatibility
10-stage, 14-pin; JEDEC B14-38 [1]

Weight
.5 kg net [1]

Specifications

DETECTOR

PMT compatibility	10-stage, 14-pin; JEDEC B14-38	[1]

ELECTRONICS & SIGNAL

Preamplifier	Integrated spectroscopy preamplifier	[1]
Detector bias	Internal: +600 to +1,100 V	[1]
utput rise time	<100 ns with fast pulser at test input or fast scintillator	[1]
Preamplifier gain	×1 or ×6, jumper selectable	[1]

POWER & BATTERY

Power supply	+12 V, 20 mA	[1]
Power consumption	240 mW	[1]

MECHANICAL

Weight	0.5 kg net	[1]
Dimensions	Ø5.6 × 17 cm	[1]

GENERAL

Decay time	Nominally 50 µs	[1]

Sources

[1] **296 ScintiPack Photomultiplier Base with Preamplifier and HV Supply**
RTEC (AMETEK) · datasheet · p. 3, Inputs and Outputs (PMT SOCKET); p. 1, features; p. 1, Specifications – PMT Bias · 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.