

## XBF110

## Overview

The BaF<sub>2</sub> scintillation detector is a gamma ray detector featuring an **extremely fast rise time (about 1.4 ns @ -3000 V)**. Ideal for measurements requiring extremely fast time resolution like positron lifetime measurement.

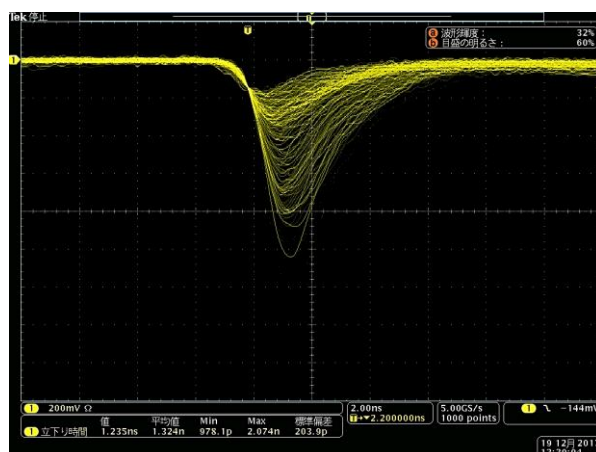


Anode output  
Dynode output



## Specifications

Crystal	BaF <sub>2</sub> Scintillator, Cylindrical
Crystal Size	Φ28mm × L20mm
Time resolution	Typically < 170 ps
Deliquescent	No
Reflective material	Equipped
PMT	H3378-51 Hamamatsu Photonics K. K.
Voltage	Maximum Rating: -3000V Absolute Rating: -3500V
Crystal cover	Material: Aluminum (anodic oxide coating) Thickness: about 0.5 mm, Weight: 21 g
Connector	SHV: High Voltage BNC: SIG for anode output BNC: DY for dynode output
Outer diameter	Φ65mm × 221mm *without connector
Weight	650g



\*Images is for illustration purpose.

\*Please note that contents may change without prior notice.

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