

NCB210 - FAST AMPLIFIER FOR PMT

The NIM module NCB210 has 8 channels voltage sensitive amplifiers. The module has fixed gain equal 10 (it can be changed for different application from 1 to 10). Fast timing and low noise of amplifiers makes this module an excellent instrument for particle detectors or laboratory measurements. Each channel has two outputs that can be terminated to 50 Ω.

PERFORMANCE

Input	50Ω
Rise/fall time	Small signal < 4,5 ns Large signal < 10 ns
Input noise RMS	< 40μV
Integral nonlinearity	0,1 %
Dynamic output range	±2V (with 50 Ω termination)
Temperature stability	±100 ppm/C
Fixed gain	10
Output resistors	< 2 Ω

POWER SUPPLY REQUIREMENTS

The module has NIM standard power supply.

P. Voltage (V)	Current/ch (mA)
+12	100
-12	100

DIMENSIONS

dimensions	3,43x22,13 cm per DOE/ER-0457T
weight	0,90 kg

