VME

8 ch CSADC Module

(V005)

◎ 0~1000 pC charge detected.
◎ Input impedance: 50Ω (negative signal)
◎ 14 bit high-speed ADC successive approximation type.
◎ Stability: ±2 count typical.
◎ Minimum gate width: 30nSec.

The amount of charge between the gates of the analog input signal is integrated, and that quantity is changed into A/D.
It changes after high speed uses a comparative form for ADC one after another and holds an integral charge once.
And, this module realizes the high accumulation that a kind isn't seen by 1 width module in others of eight channels.

It satisfies the standard of VME6U by the charge integral type analog digital converter module used for the calorimeter which photo multiplier was used for as a master.

< Specifications >

Charge Input: 0~1000 pC 8 channels
LEMO Connector

Input impedance: 50Ω

Gate width: 30 nSec (Extreme) ~ 1 μSec

Reset time: 400 nSec

Remaining pedestal: Standard 300 counts (Gate width 200 nSec)

Linearity: ±0.03%±(0.3 pC)

Conversion: 15 μSec

Form: VME6U MODULE

Power supply: +12V
+5V
-12V

Specifications might be changed acknowledged.