



SINOCERA



Global Sensor  
Technology

## Charge Amplifier (Multi-channels, general)

Model: YE5853/YE5853C

### FEATURES

- Assembled Multi-channels (4chs,6 chs and 8 chs available).
- Small size, high integration.
- Three decimal-system uniformization output(1-10 pC/UNIT).
- Switchable for Gain and LPF.
- Low noise and wide frequency band(0.3 to 100kHz).
- Low price, suitable for multi-point test.
- Overload indication.
- YE5853 plug card: Single -end input charge amplifier.
- YE5853C plug card: Differential input charge amplifier.



### Technical Specifications:

Input	Charge: $\pm 105\text{PC}(\text{Max})$
Output	$\pm 10\text{VP}/5\text{mA}(\text{Max})$
DC Maladjustment	$\pm 10\text{mV}$
Noise	$\leq 5\mu\text{V}$ (The max gain is converted into input end.)
Gain	0.1; 1; 3; 10; 30; 100; 300; 1000mV/pC (power capacitance 1nF)
Accuracy	$\pm 1\%$
Low Pass Filter	1k, 3k, 10k, 30k, 100kHz (cut-off frequency: $-3\text{dB}\pm 1\text{dB}$ , damping ratio: $-12\text{dB}/\text{OCT}$ )
High Pass Filter	0.3Hz(cut-off frequency: $-3\text{dB}\pm 1\text{dB}$ , damping ratio: $-6\text{dB}/\text{OCT}$ , fixed)
Temperature	Operating: $0^\circ\text{C}$ to $40^\circ\text{C}$ ; Storage: $-55^\circ\text{C}$ to $85^\circ\text{C}$
Humidity	95%R.H. (Max)
Power Supply	DC: $\pm 18\text{V}$ ; AC: 220V50Hz/110V60Hz selectable
Dimensions	236mm(W) $\times$ 132.5mm(H) $\times$ 300mm(D) (six channels)
Weight	5.5kg
Connection	Input: L5; ; Output: BNC;
Input cable	2m double-head L5 STYV-1 low noise cable (YE5853C:special cable)
Output cable	2m double-head BNC 50 $\Omega$ output coaxial cable
Power supply cable	AC supply cable, DC supply cable
Fuse (0.2A)	One

Note: YE5853D is plug card of differential charge input.