

In-line Charge Converters



- Convenient in-line charge converter
- Power required DC18~30V
- Multiple gain options

Model	G02A01	G02A04	G02A07	G02A10	G02A16	G02A19
Sensitivity (mV/pC)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1(±2%)	0.1
Input Range (pC Max)	50000	50000	50000	50000	50000	50000
Broadband (± 10%) (Hz)	0.5-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40~120	-40~120	-40~120	-40~120	-40~120	-40~120
Sensor input type	PE	PE	PE	PE	PE	PE

Model	G02A02	G02A05	G02A08	G02A11	G02A17	G02A20
Sensitivity (mV/pC)	1(±2%)	1(±2%)	1(±2%)	1(±2%)	1(±2%)	1
Input Range (pC Max)	5000	5000	5000	5000	5000	5000
Broadband (± 10%) (Hz)	1-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40~120	-40~120	-40~120	-40~120	-40~120	-40~120
Sensor input type	PE	PE	PE	PE	PE	PE

Model	G02A03	G02A06	G02A09	G02A12	G02A18	G02A21
Sensitivity (mV/pC)	10(±2%)	10(±2%)	10(±2%)	10(±2%)	10(±2%)	10
Input Range (pC Max)	500	500	500	500	500	500
Broadband (± 10%) (Hz)	0.5-50k	0.5-50k	0.5-50k	0.5-50k	0.5-50k	1-30K
Noise (mVrms)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Precision (%)	±1	±1	±1	±1	±1	±1
Output range (Vp)	±5V	±5V	±5V	±5V	±5V	±5V
DC bias (VDC)	11±2	11±2	11±2	11±2	11±2	11±2
Constant voltage (VDC)	18-30	18-30	18-30	18-30	18-30	18-30
Constant current (mADC)	4-20	4-20	4-20	4-20	4-20	4-20
Input socket	M5	M5	10-32	10-32	10-32	M5-M5
output jack	BNC	BNC-50KY	BNC	BNC-50KY	10-32	M5-M5
Size (DxL) (mm)	φ12.5x51.4	φ12.5x50.5	φ12.5x51.4	φ12.5x50.5	φ12.5x38.4	Φ6×30
Weight (grams)	17	17	17	17	17	2.3
Temperature range (° C)	-40~120	-40~120	-40~120	-40~120	-40~120	-40~120
Sensor input type	PE	PE	PE	PE	PE	PE