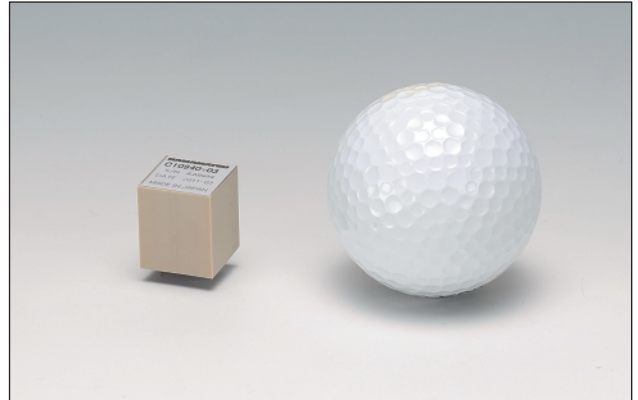


FEATURES

- Compact and Light Weight
- High Reliability
- High Conversion Efficiency
- Digital Control RS-485, Daisy-chain (-R2 type only)

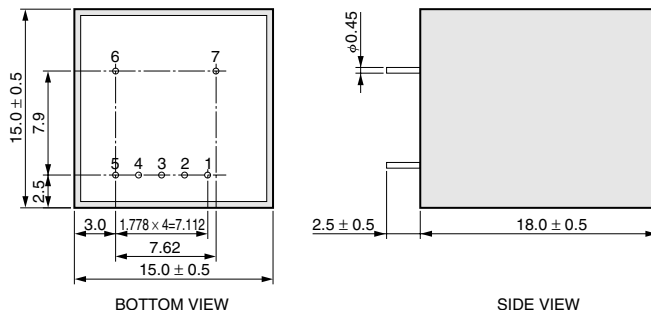


SPECIFICATIONS

Parameter	C10940-03	C10940-03-R2	C10940-53	C10940-53-R2	Unit
Input Voltage Range	+5 ± 0.5				V
Input Current	60 (no load), 230 (full load)				mA
Variable Output Voltage Range	-10 to -1200		+10 to +1200		V
Specification Guaranteed Output Voltage Range	-200 to -1200		+200 to +1200		V
Output Current	Max. 0.6				mA
Line Regulation Against ±0.5 V Input Change ^{(A)(B)}	Typ. ±0.02				%
Load Regulation Against 0 % to 100 % Load Change ^(A)	Typ. ±0.01				%
Ripple / Noise (p-p) ^{(A)(B)}	Typ. 50				mV
Output Voltage Control	Please see connection diagrams at the rear page				—
Reference Voltage Output	Typ. +1.2		—		V
Output Voltage Setting (Absolute Value)	Typ. (Controlling voltage × 1000) ±3.0 %		—		V
Output Voltage Rise Time (0 % → 99 %) ^{(A)(B)}	Typ. 120				ms
Temperature Coefficient ^{(A)(B)}	Typ. ±0.01				%/°C
Operating Ambient Temperature ^{(A)(B)}	0 to +50				°C
Operating Ambient Humidity ^(C)	Below 80				%
Storage Temperature	-20 to +60				°C
Storage Humidity ^(C)	Below 80				%
Weight	Typ. 8.5				g
Protective Functions	Units protected against reversed power input, reversed/excessive controlling voltage input, continuous overloading/short circuit output				—

^(A)At maximum output voltage ^(B)At maximum output current ^(C)No condensation

DIMENSIONAL OUTLINE (Unit: mm)

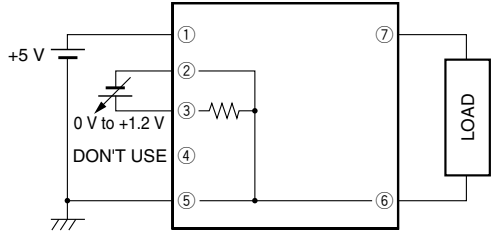


HIGH VOLTAGE POWER SUPPLY C10940 SERIES

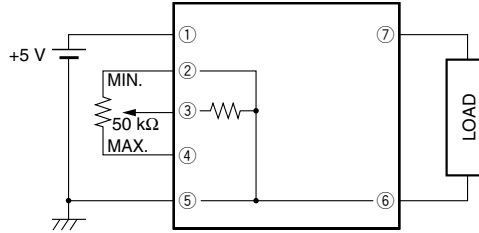
CONNECTION DIAGRAMS

OUTPUT VOLTAGE CONTROL (C10940-03, C10940-53)

● BY EXTERNAL VOLTAGE

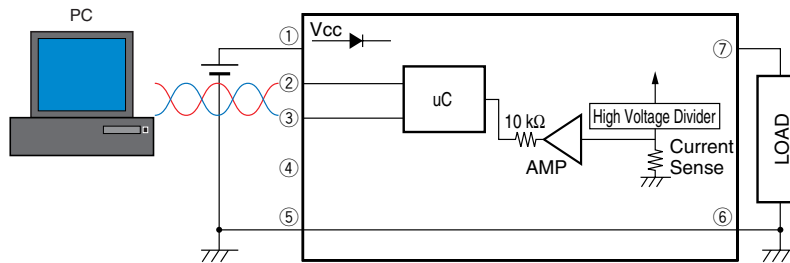


● BY EXTERNAL POTENTIOMETER



- ① Vcc +5 V
- ② Vcont GND
- ③ Vcont
- ④ Vref +1.2 V Typ.
- ⑤ GND (for Input GND)
- ⑥ HV GND
- ⑦ HV OUT

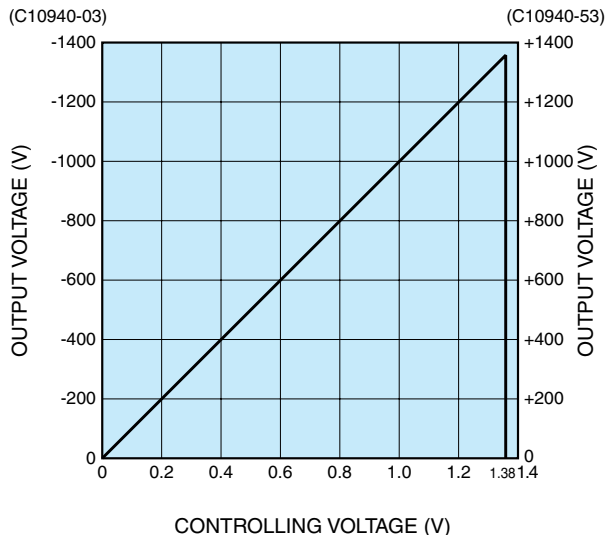
DIGITAL CONTROL (C10940-03-R2, C10940-53-R2)



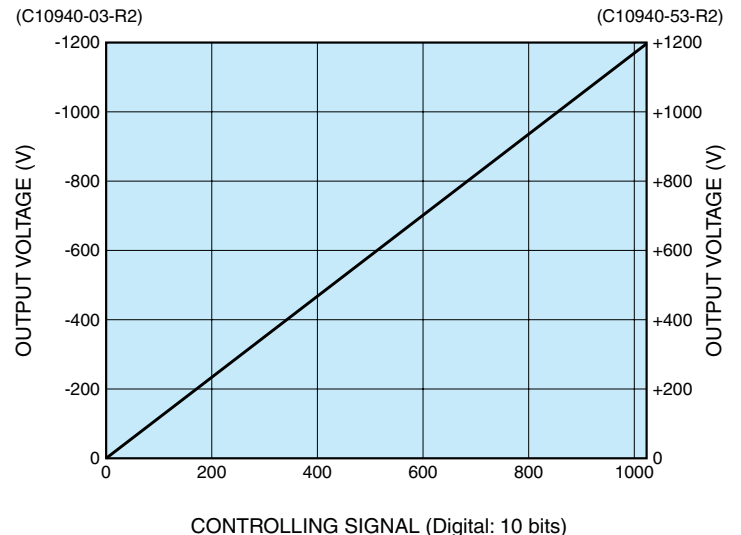
- ① Vcc +5 V
- ② RS-485 A
- ③ RS-485 B
- ④ IC
- ⑤ GND (for Input GND)
- ⑥ HV GND
- ⑦ HV OUT

OUTPUT VOLTAGE CONTROLLING CHARACTERISTIC

● BY EXTERNAL CONTROL



● BY DIGITAL CONTROL



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