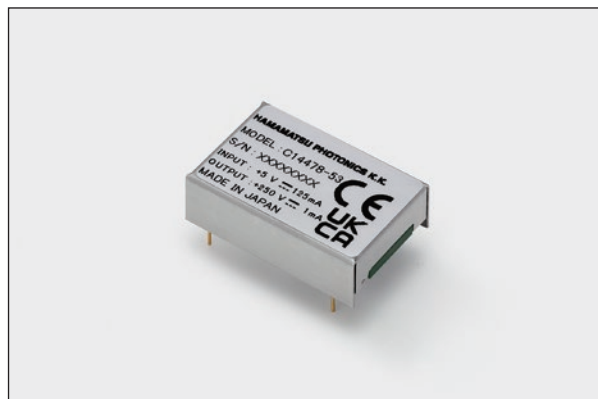


C14478 series is a PC-board mountable power supply module that can output a Max. -250 V/1 mA (C14478-03) , +250 V/1 mA (C14478-53) at input voltage of +5 V.

FEATURES

- Compact size: 26 mm(W) x 8 mm(H) x 17 mm(D)
- Lightweight: 6 g
- High output accuracy
- Low ripple / noise
- High stability
- Safety standard IEC 61010-1/A1 conformed



APPLICATIONS

- Semiconductor element (Photodiode, Avalanche photodiode)
- Radiation detection (CdTe, CZT)
- For bias voltage supply

SPECIFICATIONS

Parameter	C14478-03	C14478-53	Unit
Input voltage	+4.75 to +5.25		V
Input current ^{①②}	Max.	125	mA
Specification guaranteed output voltage range	-10 to -250	+10 to +250	V
Output voltage accuracy ^{①②}	Typ.	±0.5	%
Output current	Max.	1	mA
Response time ^{①②③}	Typ.	40	ms
Line regulation ^{①②④}	Typ.	±0.01	%
Load regulation ^{①⑤}	Typ.	±0.01	%
Temperature coefficient ^{①②}	Typ.	±0.01	%/°C
Ripple / Noise (p-p) ^{①②}	Typ.	10	mV
Output controlling voltage	0 to +2.5		V
Output voltage	-100 x Output controlling voltage	+100 x Output controlling voltage	V
Operating ambient temperature	-10 to +60		°C
Operating ambient humidity ^⑥	Below 85		%
Storage temperature	-20 to +70		°C
Storage humidity ^⑥	Below 85		%
Weight	Typ.	6	g
Protective functions	Protected against reversed power input, reversed controlling voltage input, continuous overloading/short circuit output		—

NOTE: ① At maximum output voltage
 ② At maximum output current
 ③ Rise time (0 % to 99 %)
 ④ +4.75 V to +5.25 V input change
 ⑤ 0 % to 100 % load change
 ⑥ No condensation

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