

T ECHNICAL INFORMATION



PRODUCT

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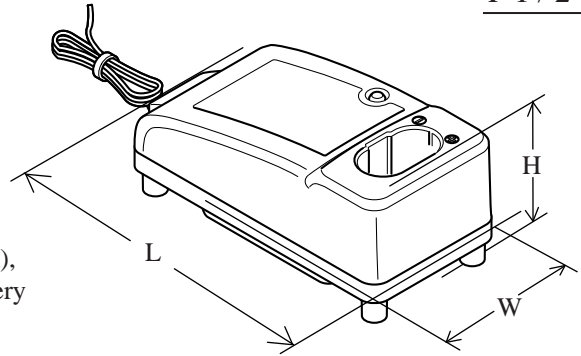
Models No. ▶ DC1414

Description ▶ Charger

CONCEPT AND MAIN APPLICATIONS

Up dated from DC1413, the new DC1414 charges Ni-DCd and Ni-MH batteries from 7.2V to 14.4V.

Packed in the newly designed sharp looking round body, DC1414 has maintenance charge system (Trickle charge system), which maintains the battery always fully charged when the battery is left in the charger after the regular charging process.



Dimensions : mm (")	
Length (L)	193 (7-5/8)
Width (W)	92 (3-5/8)
Height (H)	78 (3-1/16)

► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
110 - 120	/	50 / 60	60	/	/
120		60			
220		60			
220 - 240		60			
230 - 240		60			

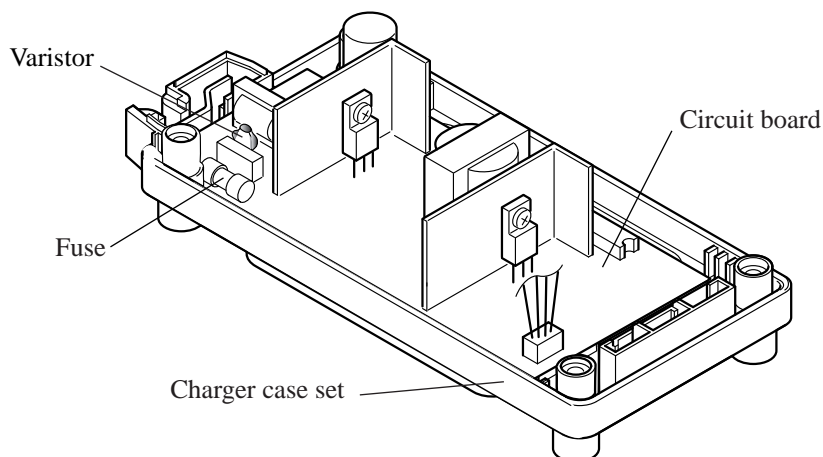
Output voltage : V		7.2, 9.6, 12, 14.4
Output current : A		2.6
Charging time : minute	Ni-Cd battery of 1.3Ah	Approx. 30
	Ni-Cd battery of 2.0Ah	Approx. 45
	Ni-MH battery of 2.6Ah	Approx. 60
	Ni-MH battery of 3.0Ah	Approx. 70
Protection of circuit from over current		by Fuse

► Repair

- <1> The circuit board can not be repaired, because the circuit itself are molded on the board .
It has to be replaced as a set with new one.
- <2> In case of damaged varistor or fuse, they can be repaired according to the following procedure without replacing the circuit board.

(1) How to find broken varistor

- In case that the surface of varistor (ref. to the following illustration) has broken or has become black, and fuse has been cut, the varistor has been damaged.
- Varistor can be damaged easily, if the charger is plugged in a double voltage of the rating one.
- It is considered that the varistor has been broken for other reasons, if the fuse is broken while the surface of varistor is not damaged. In this case circuit board has to be replaced.



(2) Replacing damaged varistor

- Varistor is assembled on circuit board with solder. Remove it from circuit board with soldering iron.

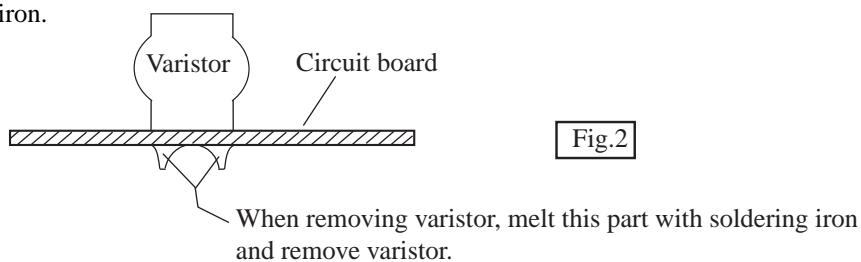


Fig.2

- Assemble new varistor to the circuit board by soldering.
- Cut the surplus of varistor's wire with nipper.

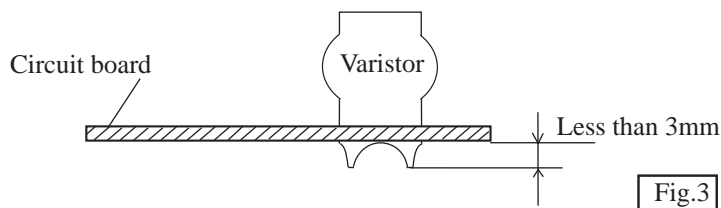


Fig.3

(3) Replacing damaged fuse

- Fuse is assembled on circuit board with solder. Remove it from circuit board with soldering iron.
- Assemble new fuse to the circuit board by soldering.
- Cut the surplus of fuse's wire with nipper.

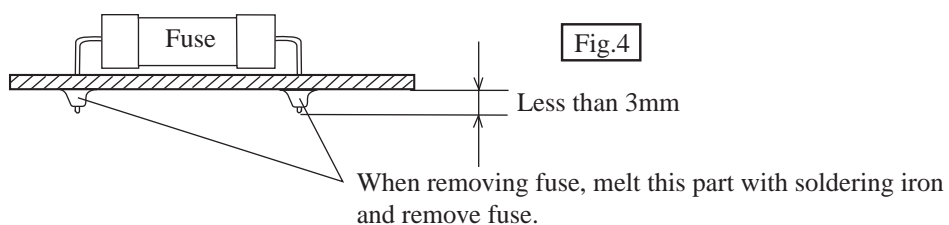


Fig.4