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# SPECIFICATION OF 8829-CD LOADER



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## 1). Scope of Document

- This document describes the specification of loading unit 8829-CD, CD/DVD for use in CD/DVD players.
- The provisions of this document may be altered upon agreement between both parties.
- If any disagreement should arise, these two parties shall meet in good faith to resolve the problem.
- Within the range of these specifications, parts are subject to change without notice for technical improvement.
- Please be sure to observe the following each time you delivering your finished and /or semi-finished products containing the loaders.
  - *Always use the loaders within conditions given in the specification.*
  - *Never given additional process to the loader.*
  - *Make sure that a finished product containing 8829-CD loader is in compliance with the rules and regulations for spurious radiation.*
  - *Measure leak laser output from a finished product containing the loader and make sure that the finished product is in compliance with applicable requirements.*

## 2) General Specification

### 2.1. Mechanical Specifications

2.1.1 Operating position: Horizontal Level

2.1.2 Colour: Black

2.1.3 Size: Reference fig.1

2.1.4 Weight: 183g

2.1.5 Loading tray pullout range: 130 mm

2.1.6 Disk holding mode: Magnetism

2.1.7 Direction of loading tray operation:

The loader must operate within the following range with reference to the Horizontal level.

Horizontal: 10

Vertical: 10

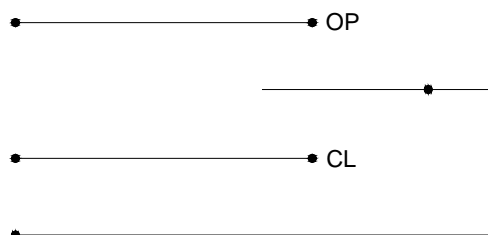
2.1.8 Chuck operation: The chuck must rotate without touching other parts.

2.1.9 Use for DVD Mechanism:, KHM313 Traverse

### 2.2. Electrical Specifications

2.2.1 Driver unit: RF-300C-11440 motor

2.2.2 Switch: Leaf Switch

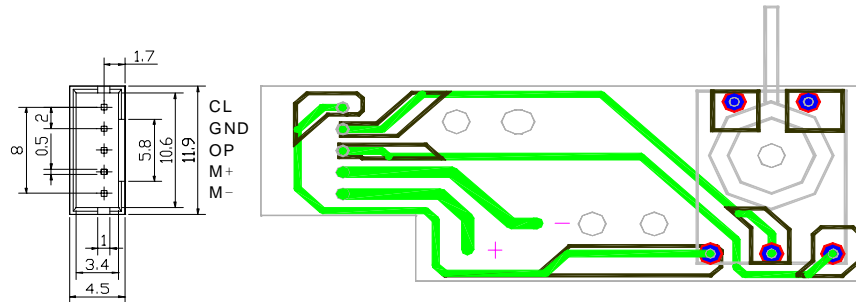


2.2.3 Operation standard voltage:  $4.5 \pm 0.8V$

2.2.4 Access time (single way) :  $\leq 1.5 S$  (Applied Voltage 5V )

2.2.5 Current consumption:  $\leq 150 mA$  ( Applied voltage 5V )

2.2.6 5 Pin socket Layout



5P (2. \*5) 插座尺寸图

### **3) Evaluation Conditions**

3.1 Operating position: Horizontal Level

3.2 Environment: Temperature  $22 \pm 2^{\circ}C$

Relative Humidity  $50 \pm 5\%$

3.3 Loading Voltage:  $4.5V \pm 0.8V$

3.4 Standard DVD Loader inspecting equipment

3.5 Standard Test disk

3.6 Operating Temperature  $-5 -- +60^{\circ}C$

**4) Reliability Assurance**

- A. Hot operating Temp. +60°C during 4 Hrs
- B. Storage in dry heat Temp. +70°C, 96 Hrs Dry Heat, recovery 4 hrs at 25°C
- C. Low temp. operating Temp. -5°C during 4 Hrs
- D. Storage in Low temp. Temp. -25°C/24 Hrs, recovery 4hr at 25°C

Mechanical test item:

A. Swept vibration:

Swept scope(Hz): 10-30-10, displacement:0.75, cycling times: 5

30-55-30, displacement:0.2, cycling times: 5

One cycling swept time in some frequency scope by loct/min speed is

$T=6.6441g(f2/f1)$ ,

in this formula: T---time, min;

f1---lower limit frequency, Hz;

f2---upper limit frequency, Hz

demands: the samples are vibrated in turn on three reciprocally vertical axes under working position.

B. Life test 30,000 times open and close by normal temperature

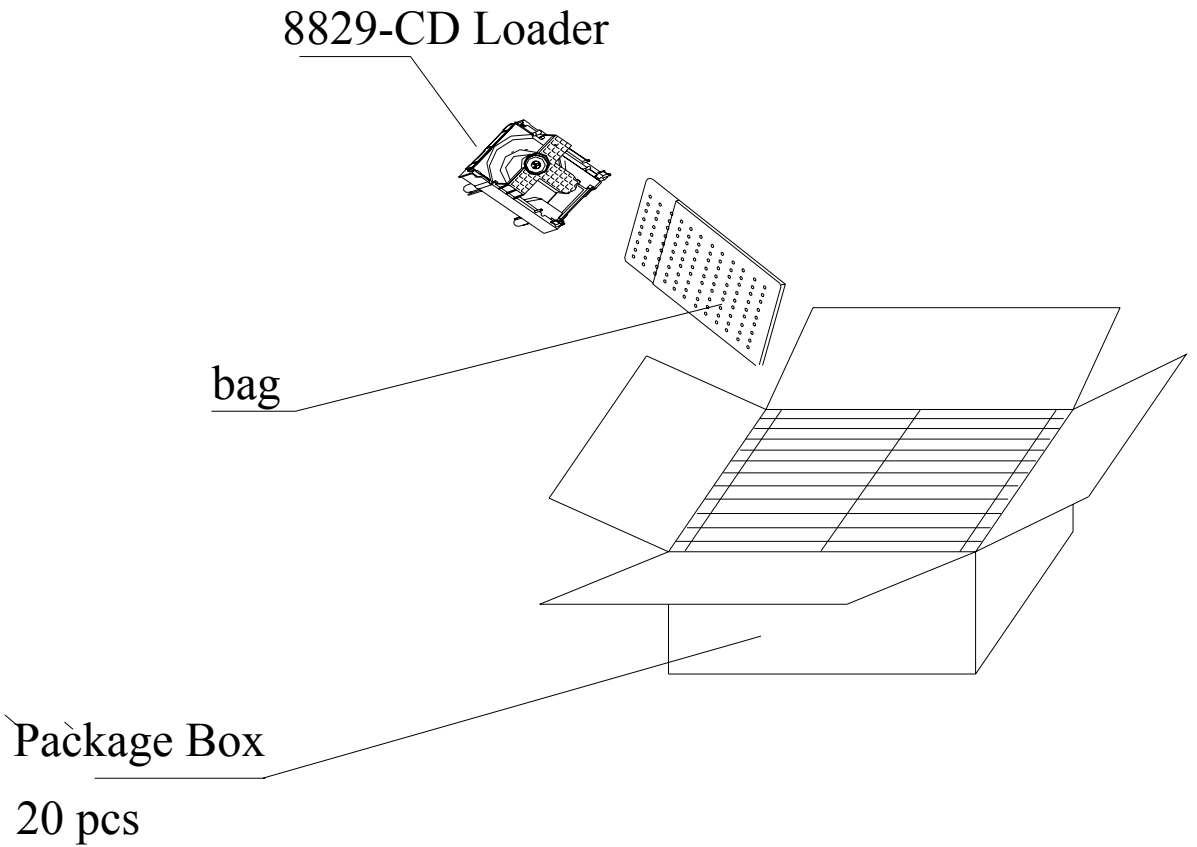
C. Drop test six faces fall down: 800mm, three arrises and one edge fall down: 600mm

**8829-CD has passed all of above tests**

**5) Package Specifications**

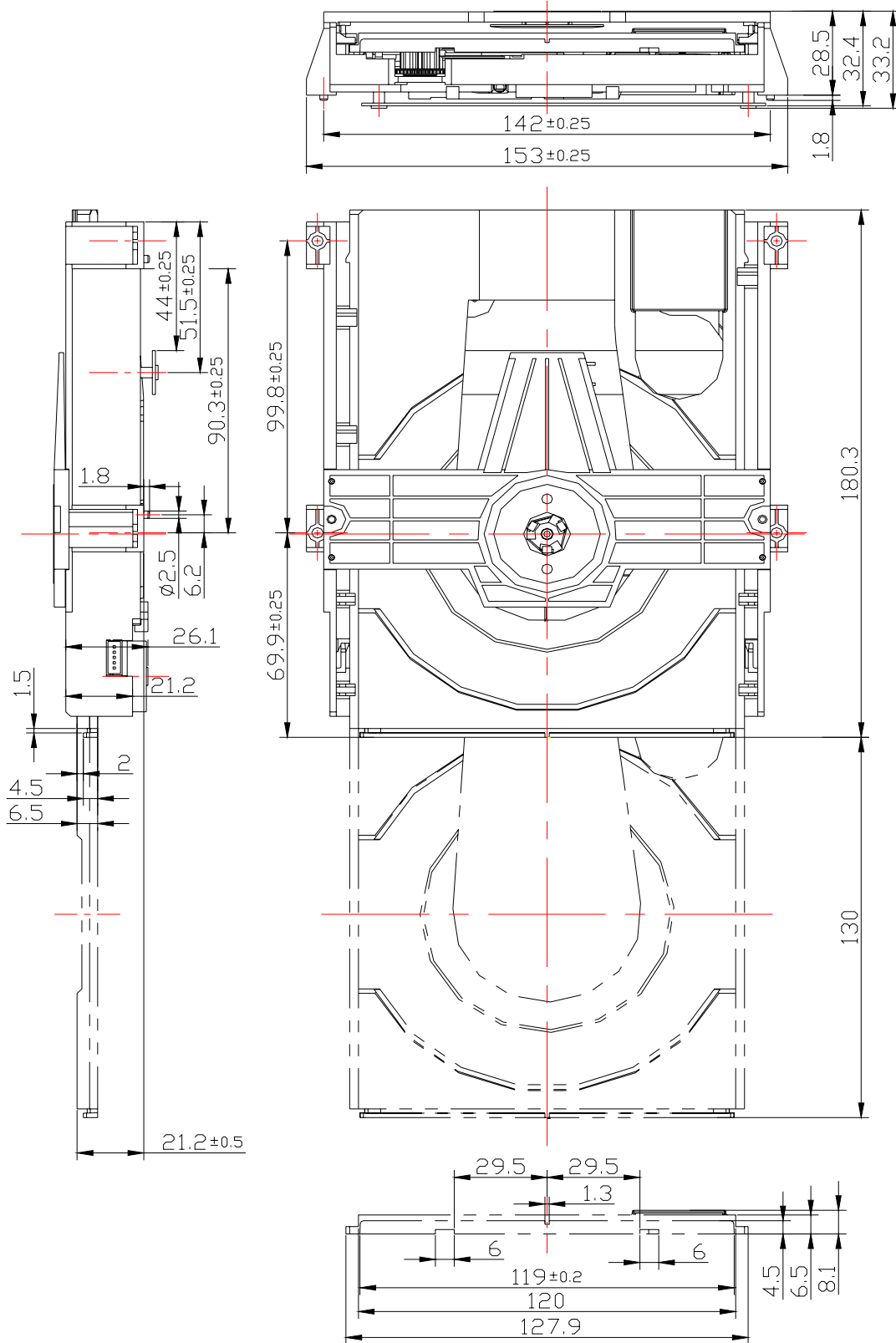
There are 20 PCS Loader in every package box, every loader has be put into a protect bag.

Make sure to avoid be strong impact in transports and load/unload



**6) Attachment**

8829-CD LOADER LAYOUT





位数	颜色	线材规格	A mm	B mm	C mm	D mm
1	白/红	UL20080#28 白/红排 TS 面/底	130±5			
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						

品号 NO.	名称 NAME	内部 DESCRIPTION	配色 COLOR	个数 QTY	备注
1	S2M-4H PH=2.0mm	HOUSING	白	2	
2	S2M-TE	TERMINAL		8	
3	UL20080#28排 TS	WIRE	白/红	4P×1	

客户号 CLIENT NO.	客户名称 CLIENT NAME	日期 DATE	13/1/2005
型号 MODEL	批号 APPR	日期 DATE	13/1/2005
图号 PART NO.	图号 CHK	日期 DATE	13/1/2005

厂内编号 IN HOUSE NO.	新兴盛端子制品有限公司 SHS HARNESS MANUFACTURE LTD.
厂址 HOUSE NO.	
图号 PART NO.	