

PHOTO INTERRUPTER**ABSOLUTE MAXIMUM RATINGS (TA=25°C)**

Supply Voltage Range	V_{CC}	7V
Low Level Output Current	I_{OL}	20mA
Operating Temperature Range	T_{opr}	-20~+75°C
Storage Temperature Range	T_{stg}	-40~+85°C

ELECTRICAL OPTICAL CHARACTERISTICS (TA=25°C)**1) ELECTRICAL-OPTICAL CHARACTERISTICS OF THE INFRARED LIGHT EMITTING DIODE**

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Supply Voltage Range	V_{CC}	4.5	-	5.5	V	
Low Level Supply Current	I_{CCL}	-	-	25	mA	Dark, $V_{CC}=5V$
High Level Supply Current	I_{CCH}	-	-	25	mA	$V_{CC}=5V$
Low Level Output Voltage	V_{OL}	-	-	0.4	V	Dark, $V_{CC}=5V$, $I_{OL}=16mA$
High Level Output Voltage	V_{OH}	3.5	-	-	V	$V_{CC}=5V$
Frequency Response	f	-	-	3000	Hz	$V_{CC}=5V$

Screwing torque is to be 10 kgf.cm (max.)

MATERIALS

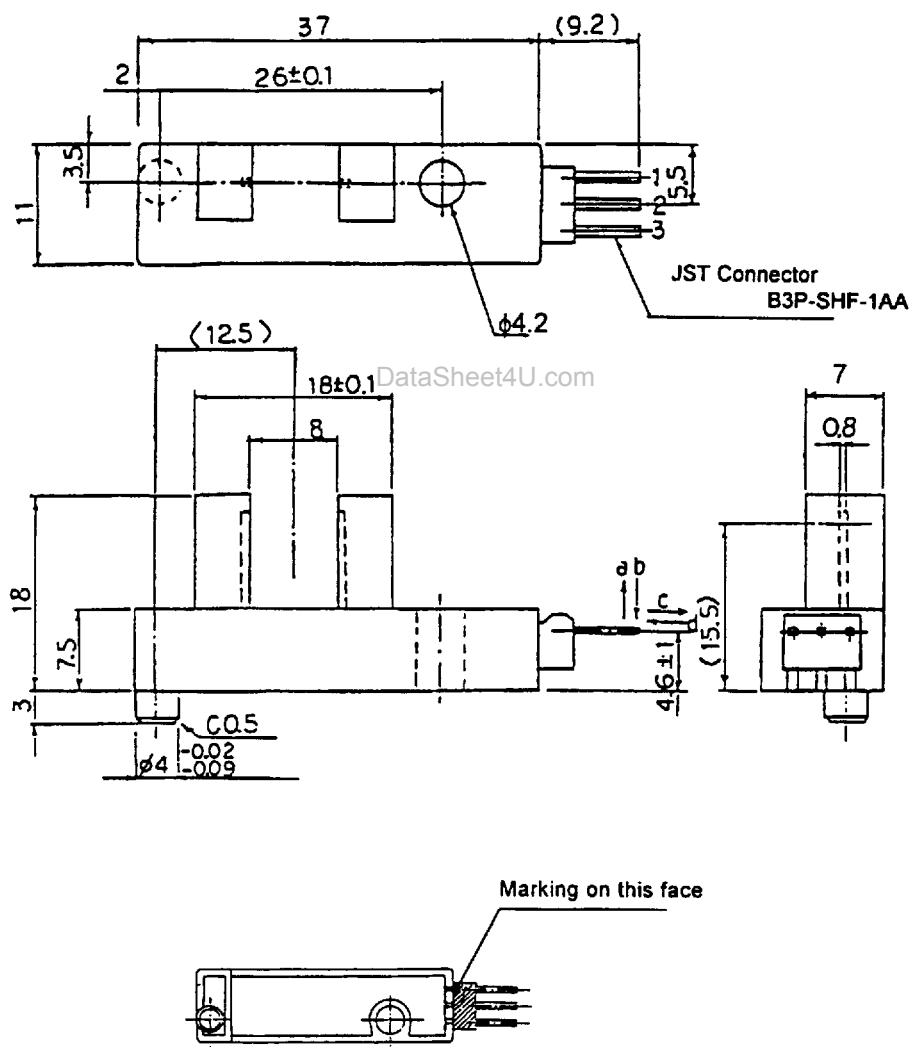
- 1) Case Polycarbonate R2200 UL94V-2
Made at IDEMITSU PETROCHEMICAL, CO., LTD.
- 2) Printed Wiring Board
Paper base, phenolic resin PLC-2147 t=1.2 UL94V-0
Made at SUMITOMO BAKE LITE CO., LTD.
- 3) Epoxy resin: Nippon pelnox XM-5880

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2) ELECTRICAL-OPTICAL CHARACTERISTICS USING INFRARED LIGHT EMITTING DIODE

Parameter	Symbol	Condition	Typ.	Unit
Input-Output Frequency	fc	I _F =50-mA	1	Mhz
Peak Emission Wavelength	λp	I _F =50mA	950	nm

Fig. 1 DIMENSIONS



- 1) Tolerance of dimension = ± 0.3
- 2) Peel strength and press strength on a, b, c, d are 4 kg/5 sec/once.

Fig. 2 SCHEMATICS

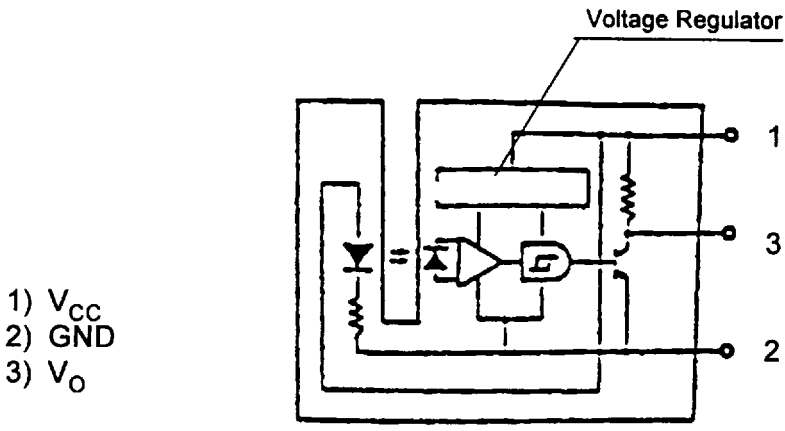
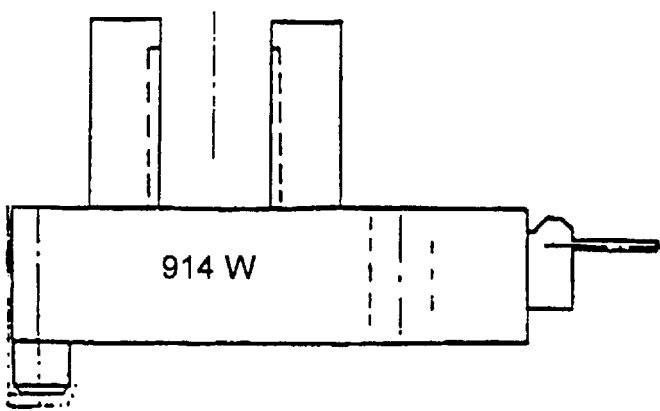


Fig. 3 MARKINGS

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9	14	W	①	LAST DIGIT OF YEAR ("9" INDICATES 1989)
↑	↑	↑	②	1 WEEK CODE
①	②	③	③	FACTORY CODE (INDICATES "W" FOR WAKO FACTORY)