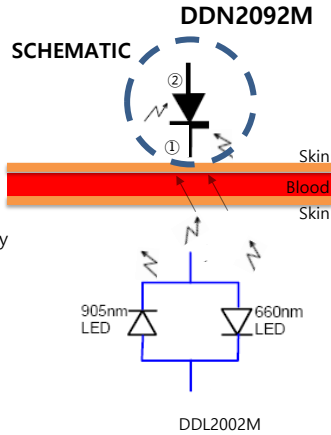


## FEATURES

Chip on Board Mold Package  
 Optical Active Area = 2.8 x 2.8mm  
 Matching to SPO2 Detector Responsivity

## APPLICATIONS

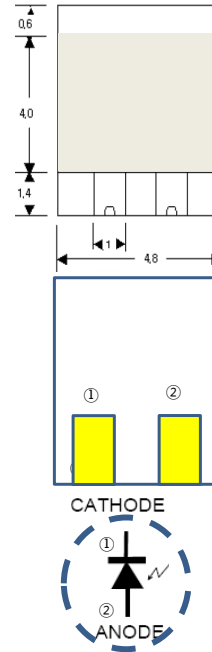
Transmissive (Reflective)  
 Blood Analysis  
 Medical Instrumentation  
 Radiometric Instrument  
 Oximeter Probes



## Blood Sensor Detector DDN2092M

### PACKAGE DIMENSION (mm)

w x h x t = 4.8 x 6.0 x 1.02



### ABSOLUTE MAX. RATINGS (Ta=25°C unless otherwise noted)

SYMBOL	PARAMETER	MAX. RATED VALUE	UNITS
PD	Power Dissipation	120	mW
IF	Continuous Forward Current	50	mA
IFP	Peak Forward Current	100	mA
VR	Reverse Voltage	5	V
T stg	Storage Temp	-20 ~ +85	°C
T opr	Operating Temp	-20 ~ +80	°C
T sd	Soldering Temperature*1	240	°C

\*Soldering time : t < 3s, \*\*Moisture Sensivity Level 3

\*\*\*Do not soldering on top pads, must soldering on only backside pads

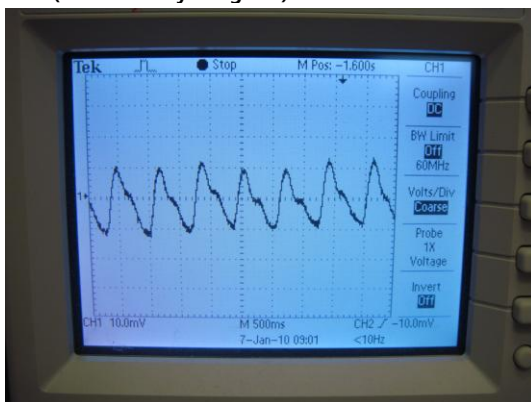
\*\*\*\*Do prebake 150°C 2HRs if reflow SMT

### CHARACTERISTICS (Ta=25°C unless otherwise noted)

SYMBOL	CHARACTERISTIC	TEST CONDITION	MIN	TYP	MAX	UNITS
V BR	Reverse Breakdown Voltage	IR=100uA	35			V
I D	Reverse Dark Current	V R=5V			10	nA
I L	Light Current	1mW@940nm		45		uA
S	Spectral Response Range		400		1050	nm
CJ	Junction Capacitance	VR=3V, f=1MHz		44		pF
λ PEAK	Peak Wavelength			940		nm

### PPG(Photo Plethysmogram) Characteristic

DDN2092M with DDL2002M



### Packing Information



Anti Static vinyl bag

Label sticker

