

FEATURES

- Noise filter (optional use terminal③)
- Chip on Board Mold Package
- Optical Active Area = 2.2 x 2.2mm
- Matching to SPO2 Detector Responsivity

APPLICATIONS

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

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

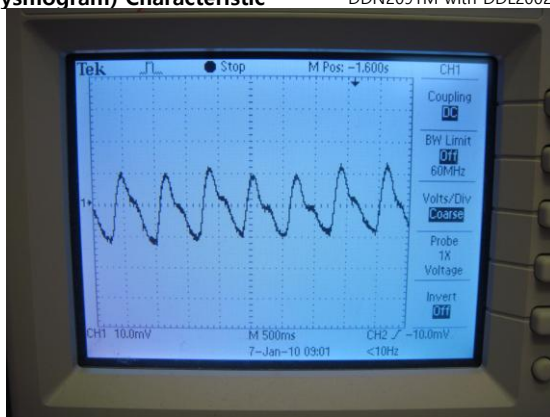
****Do prebake 150°C 2HRs if reflow SMT

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=10V			20	nA
I L	Light Current	1mW@940nm		21		uA
S	Spectral Response Range		400		1050	nm
CJ	Junction Capacitance	VR=3V, f=1MHz		20		pF
λ PEAK	Peak Wavelength			940		nm

PPG(Photo Plethysmogram) Characteristic

DDN2091M with DDL2002M



Packing Information

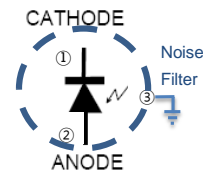
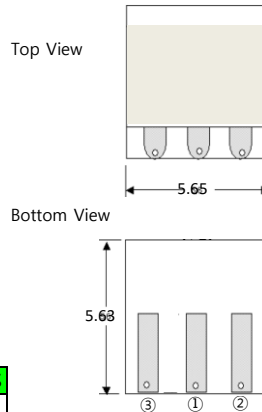


Anti Static vinyl bag

Label sticker

Blood Sensor Detector DDN2091M

PACKAGE DIMENSION (mm)
w x h x t = 5.65 x 5.63 x 1.02



Foot print (mm)

