

APMKorea

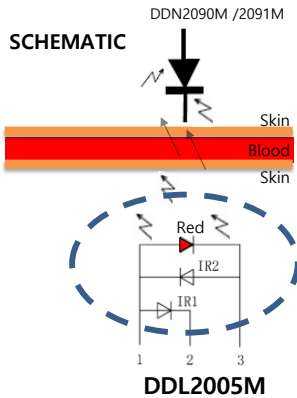


FEATURES

- Triple LEDs Lighting
- Red and dual IR LEDs Matched to SPO2
- Chip on Board Mold Package

APPLICATIONS

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



Blood Sensor Emitter

DDL2005M

Triple LED Lighting

PACKAGE DIMENSION (mm)

w x h x t = 4.8x 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 Sensitivity Level 3

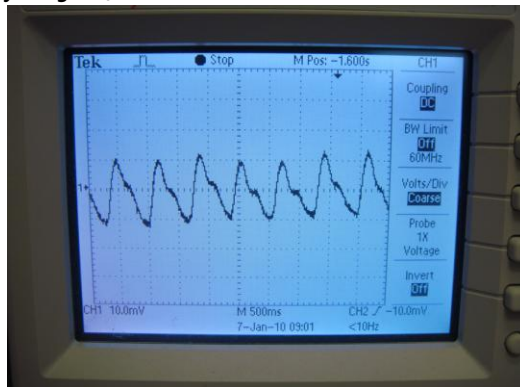
***Do not soldering on top pads, must soldering on only backside pads

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

CHARACTERISTICS (Ta=25°C unless otherwise noted)

SYMBOL	CHARACTERISTIC	COMPONENTS	TEST CONDITION	MIN	TYP	MAX	UNITS
VF	Forward Voltage	RED	IF=20mA		1.9	2.2	V
		IR1		1.5	1.7		
		IR2		1.35	1.5		
IR	Reverse Breakdown Current	RED/IR1/IR2	VR=5V			10	uA
P O	Output Power	RED	IF=20mA		2		mW
		IR1		2			
		IR2		0.8			
λ PEAK	Peak Wavelength	RED	IF=20mA		660		nm
		IR1		940			
		IR2		905			
Δλ	Half Wave Width	RED	IF=20mA		30		nm
		IR1		60			
		IR2		50			

PPG(Photo Plethysmogram) Characteristic DDL2005M with DDN2090M



Packing Information



Anti Static vinyl bag

Label sticker