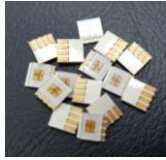


APMKorea

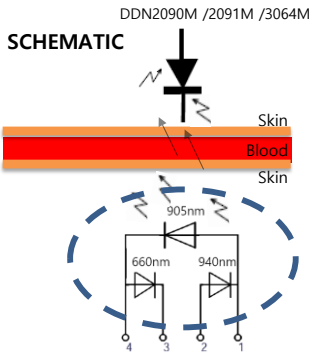


FEATURES

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



DDL2007M

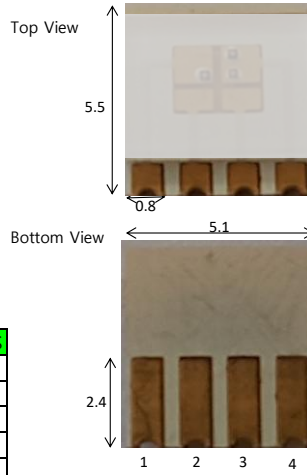
Blood Sensor Emitter

DDL2007M

Triple LED Lighting

PACKAGE DIMENSION (mm)

w x h x t = 5.1x 5.5 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

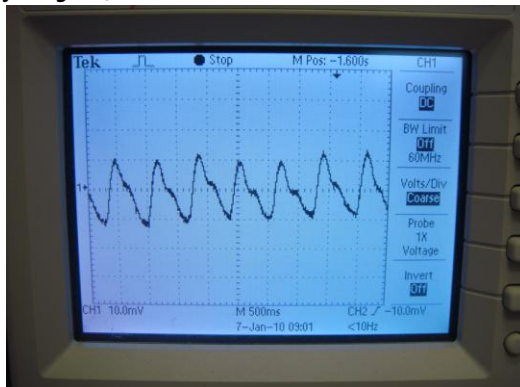
***Do not soldering on top pads, must soldering on only backside pads

****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		1.3	1.5		
		IR2		1.5	1.7		
IR	Reverse Breakdown Current	Red/IR1/IR2	VR=5V			10	uA
P O	Output Power	RED	IF=20mA		1		mW
		IR1		2			
		IR2		2			
λ PEAK	Peak Wavelength	RED	IF=20mA		660		nm
		IR1		905			
		IR2		940			
Δλ	Half Wave Width	RED	IF=20mA		30		nm
		IR1		60			
		IR2		60			

PPG(Photo Plethysmogram) Characteristic DDL2007 with DDN2090M



Packing Information



Anti Static vinyl bag

Label sticker