

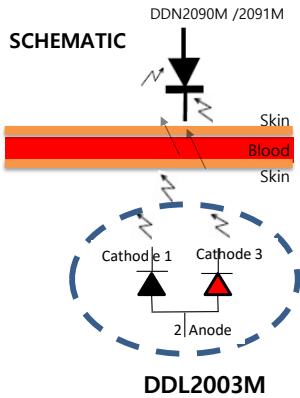


**FEATURES**

Two Drive Line Dual LED Emitter  
 Dual Red and IR LED Matched to SPO2  
 Chip on Board Mold Package

**APPLICATIONS**

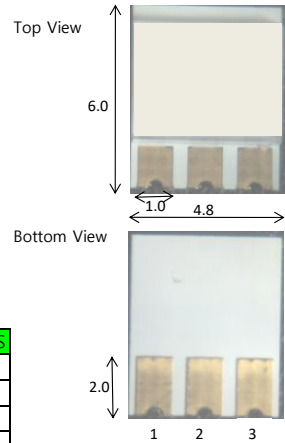
**Transmissive** (Reflective)  
 Blood Analysis  
 Medical Instrumentation  
 Radiometric Instrument  
 Oximeter Probes



**Blood Sensor Emitter  
 DDL2003M**

Common Anode

**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

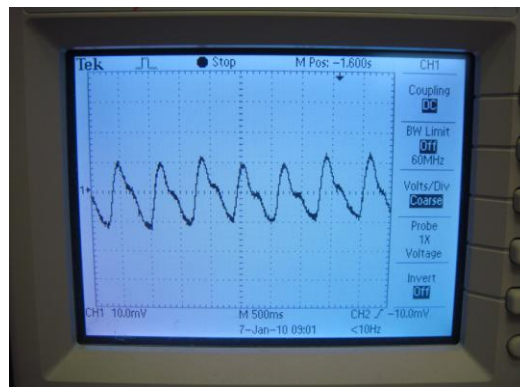
\*\*\*Do not soldering on top pads, must soldering on only backside pads

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

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

SYMBOL	CHARACTERISCTIC	COMPONENTS	TEST CONDITION	MIN	TYP	MAX	UNITS
VF	Forward Voltage	LED1	IF=20mA		1.9	2.2	V
		LED2			1.5	1.7	
IR	Reverse Breakdown Current	LED1,LED2	VR=5V			10	uA
P O	Output Power	LED1	IF=20mA		1		mW
		LED2			2		
λ PEAK	Peak Wavelength	LED1	IF=20mA		660		nm
		LED2			940		
		PD			940		
Δλ	Half Wave Width	LED1	IF=20mA		30		nm
		LED2			60		

**PPG(Photo Plethysmogram) Characteristic** DDL2003M with DDN2091M



**Packing Information**



Anti Static vinyl bag

Label sticker