

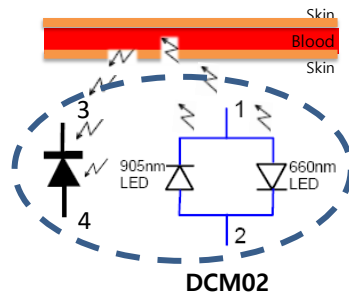
### FEATURES

Integrated Dual Emitter and Photo Detector  
Dual Red and IR LED Matched to SPO2  
Hermetic Chip on Board Package

### APPLICATIONS

Reflective Oximeter Probes  
PPG, APG Blood Analysis  
Medical Device

### SCHEMATIC

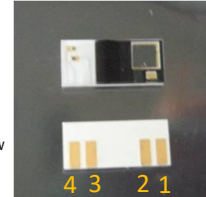


### PACKAGE DIMENSION (mm)

w x h x t = 9.8x 4.3 x 1.3  
PAD = 1.1 x 2.5

Top View

Bottom View



### 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

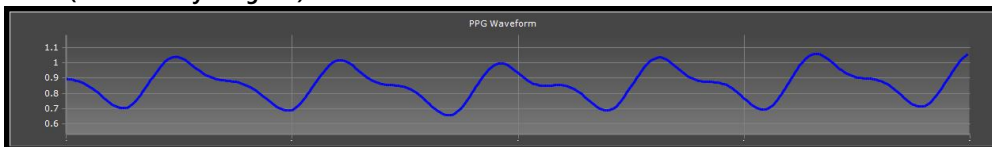
\*Soldering time : t < 3s, \*\*Moisture Sensitivity Level 3

\*\*\*Prebake 150°C 2HRs if Reflow Soldering

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

SYMBOL	CHARACTERISTIC	COMPONENTS	TEST CONDITION	MIN	TYP	MAX	UNITS
VF	Forward Voltage	LED1	IF=20mA		1.9	2.2	V
		LED2			1.3	1.5	
		PD	IF=10mA	0.5		1.3	
IR	Reverse Breakdown Current	LED1,LED2	VR=5V			10	uA
P O	Output Power	LED1	IF=20mA		2		mW
		LED2			2		
λ PEAK	Peak Wavelength	LED1	IF=20mA		660		nm
		LED2			905		
		PD			940		
Δλ	Half Wave Width	LED1	IF=20mA		30		nm
		LED2			60		
V BR	Reverse Breakdown Voltage		IR=100uA	35			V
I D	Reverse Dark Current		V R=10V			20	nA
I L	Light Current	PD	1mW@940nm		21		uA
S	Spectral Response Range			400		1050	nm
CJ	Junction Capacitance		VR=3V, f=1MHz		20		pF

### PPG(Photo Plethysmogram) Characteristic



### Footprint Top view

### Packing Information



Anti Static vinyl bag

Label sticker

