

Spec. No. : ODT-W010-138(O)

Issued Date : 2006. 03. 31.

SPECIFICATION

MODEL NAME : Dual Emitter Series

MODEL NO. : OL660940HM2-3

Prepared by :

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Outline View



Features

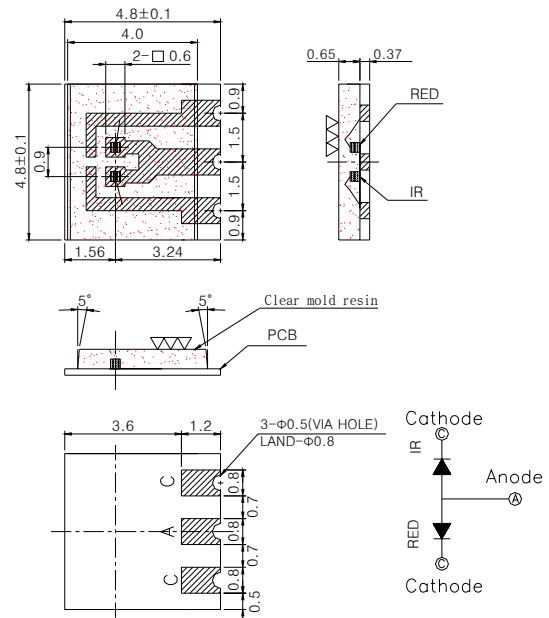
- Low cost
- Dual emitter component
 - Red(660nm) & IR (940nm)

Applications

- Oximeter probes
- Finger clamps
- Reusable probes

Outline Dimension

unit : [mm]



Absolute Maximum Ratings

(Ta= 25℃)

Parameter	Symbol	Ratings		Unit
		RED	IRED	
Reverse Voltage	V_R	5	5	V
Forward Current	I_F	30	80	mA
Pulse Forward Current *1	I_{FP}	300	800	mA
Power Dissipation	P_D	110	160	mW
Operating Temperature	T_{OPR}	-25 ~ 80		℃
Storage Temperature	T_{STG}	-30 ~ 90		℃

*1 : Pulse width $t_w=100\mu s$, $T=10ms$

Electro-Optical Characteristics

(Ta=25℃)

Parameter	Symbol	Condi- tions	Min		Typ		Max		Unit
			IRED	RED	IRED	RED	IRED	RED	
Forward Voltage	V_F	$I_F=50mA$	—	—	—	1.8	1.6	—	V
Reverse Current	I_R	$V_R=5V$	—	—	—	—	10	10	μA
Radiant Intensity	P_o	RED: $I_F=30mA$ IR: $I_F=80mA$	—	—	480	350	—	—	μW
Peak Wavelength	λ_p	$I_F=20mA$	—	—	940	660	—	—	nm
Spectral Bandwidth 50%	$\Delta \lambda$	$I_F=20mA$	—	—	45	25	—	—	nm