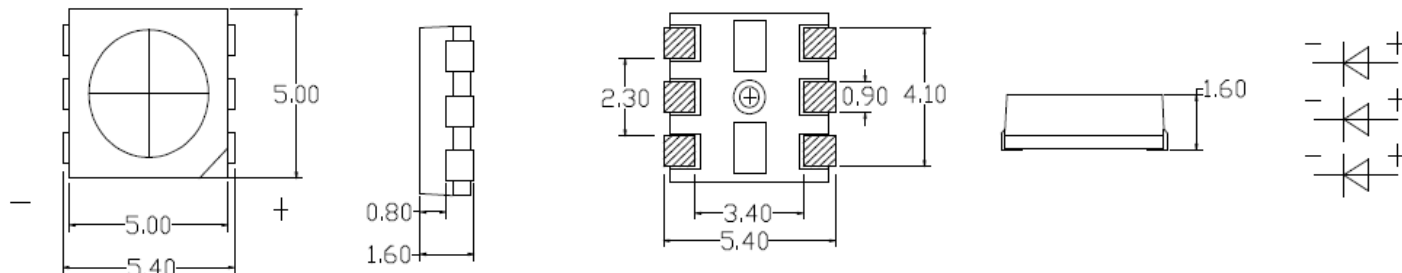


RED LED SMD 5050

3x RED LEDs in small 5050 package

DIMENSIONS IN MM



ABSOLUTE MAXIMUM RATINGS (TA=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	3X120	mW
Forward Current	I _F	3X20	mA
Peak Forward Current*1	I _{FP}	3X100	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-20~80	°C
Storage Temperature Range	T _{stg}	-40~85	°C
Soldering Temperature	T _{sol}	260 (for 5 seconds)	°C

*1*Pulse width ≤ 0.1msec duty ≤ 1/10

ELECTRICAL AND OPTICAL CHARACTERISTICS (TA=25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =3X20mA	1.8	2.0	2.2	V
Luminous Intensity	I _v	I _F =3X20mA	1000	1200	1400	mcd
Reverse Current	I _R	V _R =5V	-		10	μA
Dominant Wavelength	λ _D	I _F =3X20mA	620	625	630	nm
Color Temperature	CCT	I _F =3X20mA				K
Viewing Angle	2θ _{1/2}	I _F =3X20mA		120		deg

ORDERING DETAILS

Sunrom Part#	Ordering Page
5282	http://www.sunrom.com/m/5282

($T_a=25^\circ\text{C}$ Unless Otherwise Noted)

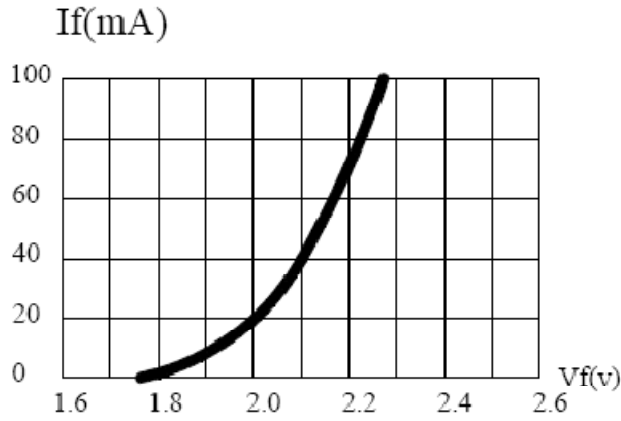


Fig. 1 Forward Current vs Forward Voltage

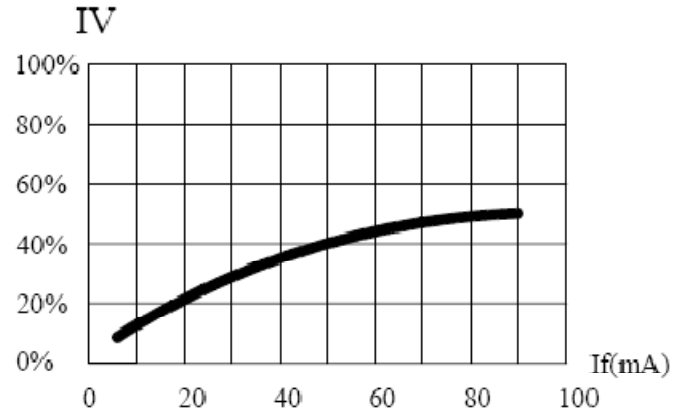


Fig. 2 Relative Luminous Flux vs Forward Current

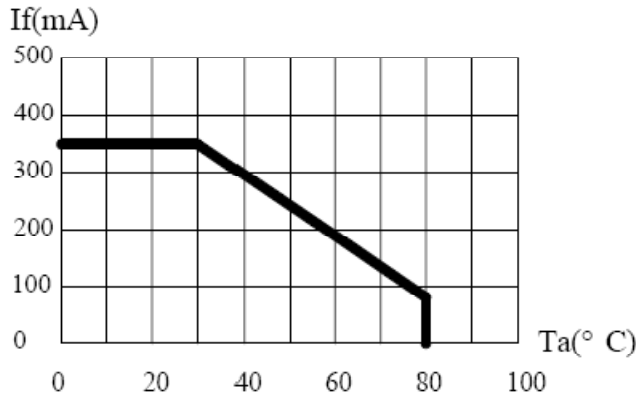


Fig. 3 Maximum Forward Current vs Ambient Temperature

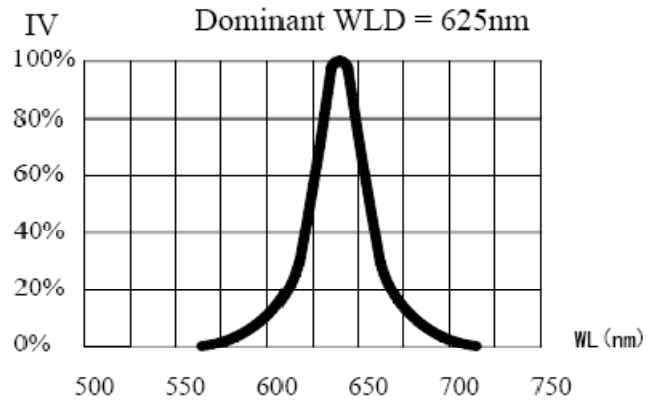


Fig. 4 Relative Luminous Flux vs Wavelength

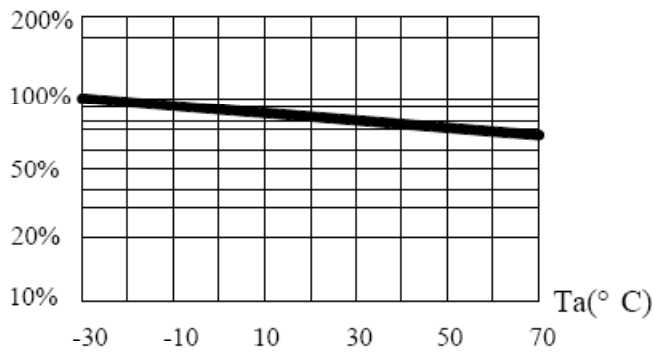


Fig. 5 Relative Luminous Flux vs Ambient Temperature

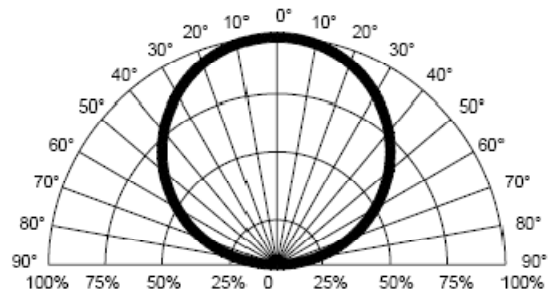


Fig. 6 Relative Luminous Flux vs Radiation Angle