

ITEM NO : AP516SRGW-A

■ Features :

- BI - COLOR LED LIGHT
- WHITE DIFFUSED PACKAGE
- 60 DEGREE VIEWING ANGLE
- COMON ANODE



Material		Light Color		Lens Color
AlGaAs	GaP	SR/Red	Green	White Diffused

◆ Package Dimensions

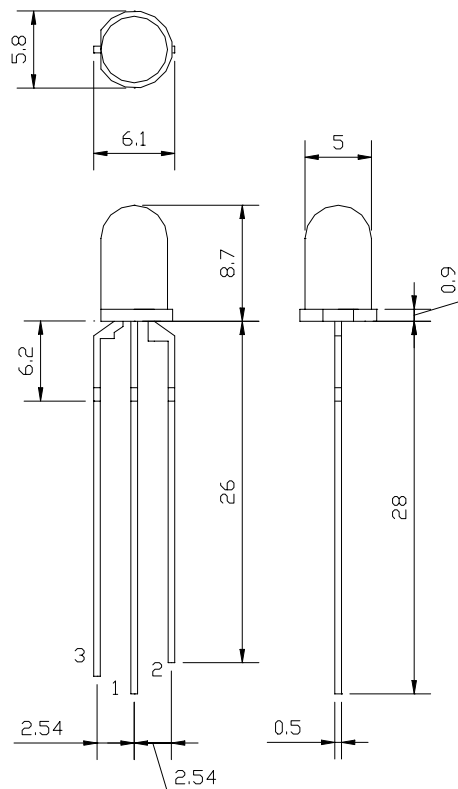
Unit : mm

Tolerance : ± 0.1

1. Comon Anode

2. Green

3. SR/ Red



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Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	85	mW
Continuous Forward Current	I _F	20	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Reverse Voltage	V _R	5.0	V
Derating Linear Form 25°C		0.4	mA/°C
Operating Temperature Range	Topr	-40~+85	°C
Storage Temperature Range	Tstg	-55~+100	°C

**condition for I_{FP} is pulse of 1/10 duty and 0.1 msec width.

Electrical / Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA	-	2.1	2.4	V
Reverse Current	I _R	VR=5V	-	-	10	uA
Peak Emission Wavelength	λ _P	IF=20mA	RED	660	-	nm
			GREEN	575	-	nm
Dominant Wavelength	λ _D	IF=20mA	RED	639	-	nm
			GREEN	570	-	nm
Viewing Angle	2θ _{1/2}	IF=20mA	-	60	-	Deg
Luminous Intensity	RED	I _V	IF=20mA	95	115	mcd
	GREEN	I _V	IF=20mA	15	30	mcd

Typical Optical-Electrical Characteristic Curves

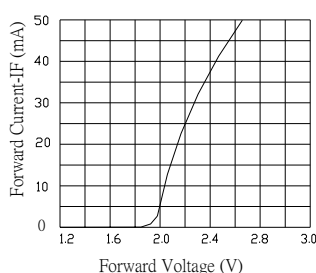


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE

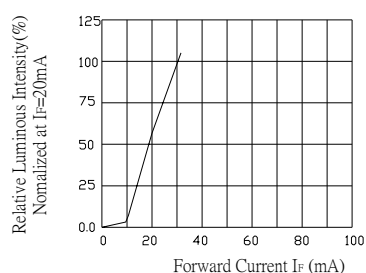


FIG.2 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

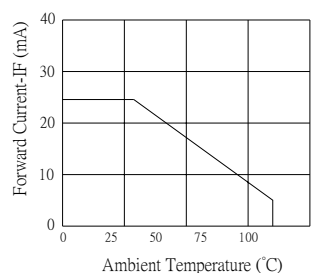


FIG.3 FORWARD CURRENT VS. AMBIENT TEMPERATURE

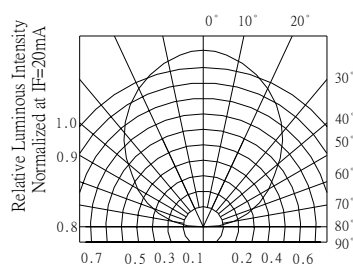


FIG.4 RADIATION DIAGRAM