

LED

High Flux LEDs

Feature

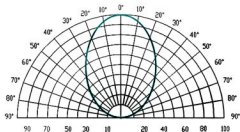
- 5Φ Round Package
- Water Clear
- Viewing Angle(2θ 1/2:80°)

Applications

RED GREEN BLUE

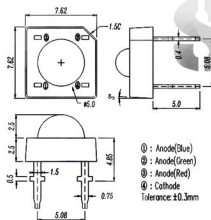
automotive exterior,illumination accessories,electrical appliances.

Radiation Diagram



Relative luminous intensity(%)

Outline Dimensions



Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		S05RGB-C-5		
Forward Current	IF	50		mA
Peak Forward Current	IFP	150		mA
Reverse Voltage	VR	5		V
Operating Temperature	Topr	-30 to +65		℃
Storage Temperature	Tstg	-30 to +85		℃
Soldering Temperature	Tsld	260±5		℃

Note: *1:IFP Conditions ---Pulse Width ≦ 1msec and Duty ≦ 1/10.

*2:Soldering time ≦ 5 seconds.

Characteristics

(Ta = 25℃)

S05RGB-C-5	Color	Symbol	Conditions	Min.	Typ.	Max.	Unit	
Forward Voltage	Full-Color	VF	R	IF=40mA	-	2.0	2.5	V
			G		-	3.2	4.0	
			B		-	3.2	4.0	
Total Flux	Full-Color	φv	R	IF=40mA	600	-	3500	mlm
			G		1200	-	7000	
			B		600	-	3500	
Dominant Wavelength	Full-Color	λd	R	IF=40mA	615	-	635	nm
			G		510	-	535	
			B		460	-	475	
Half Bandwidth	Full-Color	Δλ	R	IF=40mA	-	16	-	nm
			G		-	35	-	
			B		-	30	-	
Reverse Current	Full-Color	IR	VR=5V	-	-	10	μA	