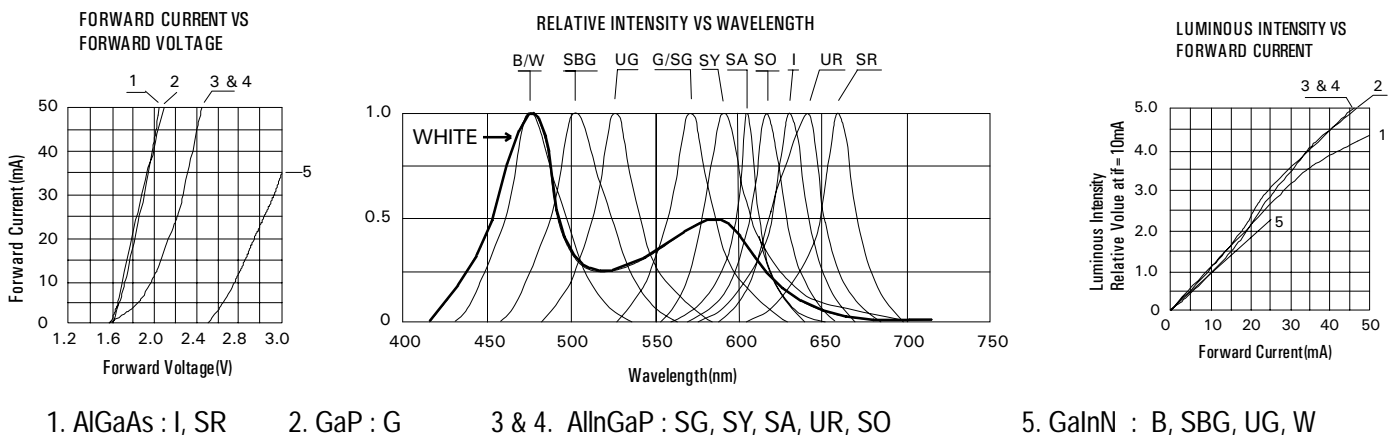


Note : All Dimensions are in mm

Tolerance ± 0.2 mm

PART NO.	UNITS	SYMBOL	WHITE	RED	YELLOW	AMBER	GREEN	ULTRA GREEN	ULTRA BLUE	Circuit with Current Regulator
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)										
Semiconductor Composition	V	V_F	8.0V	4.0V	4.0V	4.0V	4.0V	4.0V	4.0V	
Forward Voltage - Typical @ 40mA	V	V_{FM}	50mA	4.5V	4.5V	4.5V	4.5V	4.5V	4.5V	
Forward Voltage - Current	mA	I_R								
Reverse Current @ $V_R = 5V$	x,y	D_L								
Color Coordinates	°C	CR_1								
Color Temperature	CR1	α_V	50	35	35	35	35	35	50	
Color Rendering index	Im									
Luminous Flux										
ABSOLUTE MAXIMUM RATINGS AT 25°C										
Reverse Voltage	V	V_R	5			Both Components need adequate Heat Sinking				
Forward Current (avg)	mA	I_F	as in the			100mA per LED & derated at 1mA per degree C				
Operating / Storage Temperature Range -20° C to + 85° C										
Lead Soldering Temperature < 260° C for 5 Seconds										
Series Resistor to be used per LED : 6 Ohms (2W~3W) @ 5V Supply										

ELECTRICAL CHARACTERISTIC CURVES



- 1. AlGaAs : I, SR
- 2. GaP : G
- 3 & 4. AlInGaP : SG, SY, SA, UR, SO
- 5. GaInN : B, SBG, UG, W

KPC/KLSGQ-X8V

Rev. 00

1-6-04



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