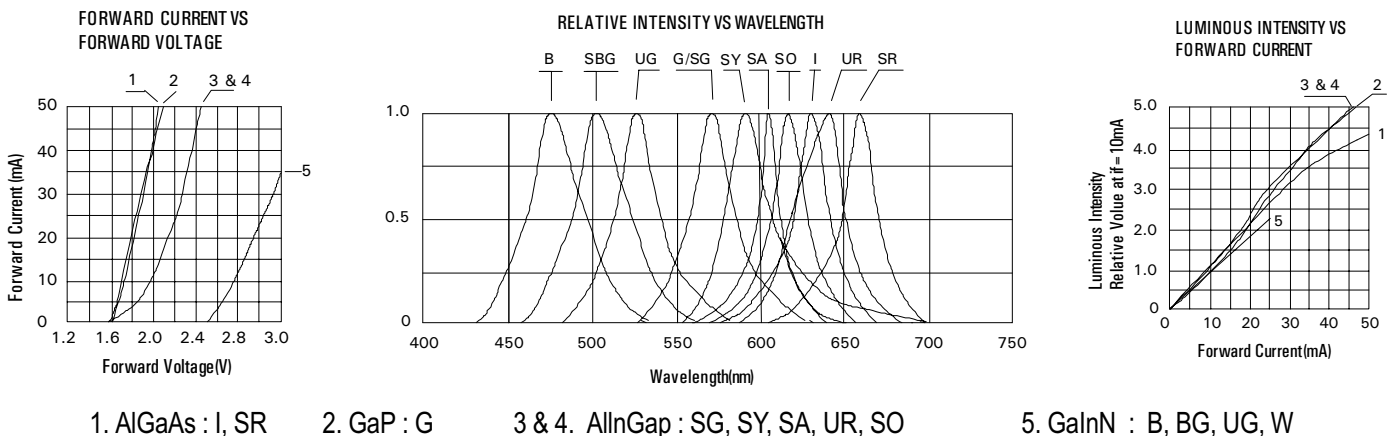


Face Length	MM	60.6
Face Width	MM	37.8
Height	MM	8.8
Pin Spacing	MM	2.54
Row SPacing	MM	45.72
No. of pins	Pins	14

Note : All Dimensions are in mm  
Tolerance  $\pm 0.2$  mm

PART NO.	Column Anode		CA		KLP2058 I	KLP2058 SR	KLP2058 G	KLP2058 SG	KLP2058 SY	KLP2058 SA	KLP2058 UR	KLP2058 SO	KLP2058 B/UB	KLP2058 BG	KLP2058 UG	KLP2058 W
	Column Cathode		CC		KLP2158 I	KLP2158 SR	KLP2158 G	KLP2158 SG	KLP2158 SY	KLP2158 SA	KLP2158 UR	KLP2158 SO	KLP2158 B/UB	KLP2158 BG	KLP2158 UG	KLP2158 W
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IRED I	SUPER RED SR	GREEN G	SUPER GREEN SG	SUPER YELLOW SY	SUPER AMBER SA	ULTRA RED UR	SUPER ORANGE SO	BLUE B/UB	BLUE GREEN BG	ULTRA GREEN UG	WHITE W
Semiconductor Composition					AlGaAs		GaP/AlInGaP		AlInGaP			SiC / GaInN				
Forward Voltage - Typical @ 10mA			V	$V_F$	2.10	1.90	2.20	2.20	2.10	2.10	1.90	1.90	3.50	3.50	3.50	3.50
Forward Voltage - Maximum @ 20 mA			V	$V_{FM}$	2.40	2.10	2.60	2.40	2.40	2.40	2.10	2.40	4.50	4.50	4.50	4.50
Reverse Current @ $V_R = 5V$			$\mu A$	$I_R$	100	100	100	100	100	100	100	100	100	100	100	100
Peak Emission Wavelength			nm	$\lambda_p$	630	660	568	568	590	610	645	620	470	502	525	---
Emission Wavelength Half Width			nm	$\Delta_\lambda$	35	20	30	15	15	15	20	20	25	30	35	---
Luminous Intensity per Segment			$\mu cd$	$I_V$	3500	6000	4000	6000	7000	7500	13000	13000	6000	7000	17000	---
ABSOLUTE MAXIMUM RATINGS AT 25°C			V	$V_R$	5	5	5	5	5	5	5	5	5	5	5	5
Reverse Voltage			mA	$I_F$	20	20	20	20	20	20	20	20	20	20	20	20
Forward Current (avg)			mA	$I_{FS}$	80	80	80	80	80	80	80	80	80	80	80	80
Peak Forward Current ( $T < 1\mu s$ )																
Operating / Storage Temperature Range			-10° C to +85° C													
Lead Soldering Temperature			< 260° C for 5 Seconds													
Series Resistor to be used per segment : 300 Ohms @ 5V Supply (OR) 50 to 100 Ohms @ 3V Supply																

ELECTRICAL CHARACTERISTIC CURVES



KPC/KLP2058X

Rev. 00

1-1-04



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