

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

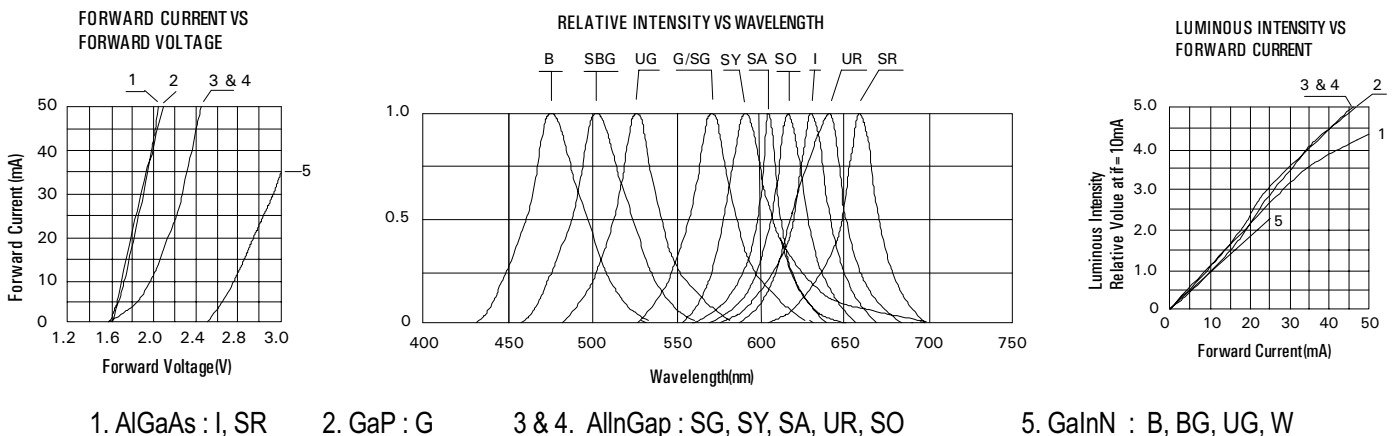
Dot Pitch 7.62  
Dot Dia 5.0

Column Anode  
KLP2058X

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		AllnGaP			SiC / GalnN				
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. 01

27-1-12



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