

Face Length	MM	53.1
Face Width	MM	37.8
Height	MM	8.8
Pin Spacing	MM	2.54
Row Spacing	MM	37.60
No. of pins	Pins	14

Note : All Dimensions are in mm

Tolerance ± 0.2 mm

PART NO.	Column Anode	CA															
	Column Cathode	CC	KLP2057I	KLP2057I SR	KLP2057I G	KLP2057I SG	KLP2057I SY	KLP2057I SA	KLP2057I UR	KLP2057I SO	KLP2057I B/UB	KLP2057I BG	KLP2057I UG	KLP2057I W			
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IRE D	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 / 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 @ $V_R = 5V$			μA	I_R	100	100	100	100	100	100	100	100	100	100	100	100	
Peak Emission Wavelength			nm	λ_P	630	660	568	568	590	610	645	620	470	502	525	---	
Emission Wavelength Half Width			nm	Δ_λ	35	20	30	15	15	15	20	20	25	30	35	---	
Luminous Intensity per Segment			μcd	I_V	3500	6000	4000	6000	7000	7500	13000	13000	6000	7000	17000	---	
ABSOLUTE MAXIMUM RATINGS AT 25°C																	
Reverse Voltage			V	V_R	5	5	5	5	5	5	5	5	5	5	5	5	
Forward Current (avg)			mA	I_F	20	20	20	20	20	20	20	20	20	20	20	20	
Peak Forward Current ($T < 1\mu s$)			mA	I_{FS}	80	80	80	80	80	80	80	80	80	80	80	80	
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

