

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

KLP2057X
Common Anode

KLP2157X
Common Cathode

Note : All Dimensions are in mm Tolerance ± 0.2 mm

PART NO.	Common Anode	CA															
	Common Cathode	CC															
			KLP2057I	KLP2057SR	KLP2057G	KLP2057SG	KLP2057SY	KLP2057SA	KLP2057UR	KLP2057SO	KLP2057B/UB	KLP2057BG	KLP2057UG	KLP2057W			
			KLP2157I	KLP2157SR	KLP2157G	KLP2157SG	KLP2157SY	KLP2157SA	KLP2157UR	KLP2157SO	KLP2157B/UB	KLP2157BG	KLP2157UG	KLP2157W			
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			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	Δλ	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<1µs)			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

