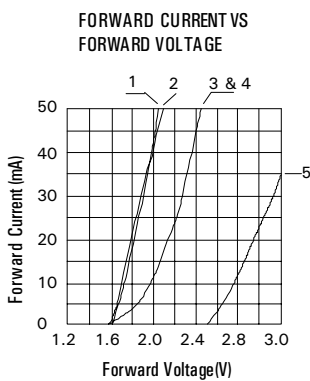
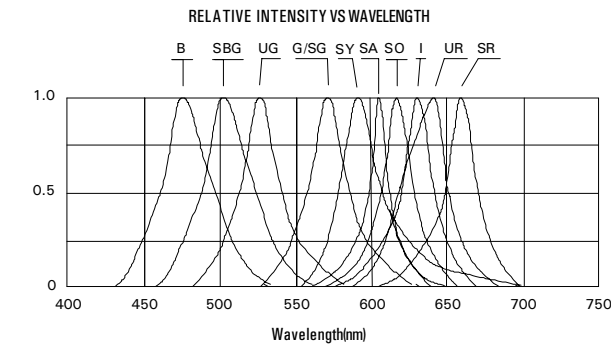


PART NO.	Common Anode	CA																
	Common Cathode	CC	KLP7057 I	KLP7057 SR	KLP7057 G	KLP7057 SG	KLP7057 SY	KLP7057 SA	KLP7057 UR	KLP7057 SO	KLP7057 B/UB	KLP7057 BG	KLP7057 UG	KLP7057 W				
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IRE D 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			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

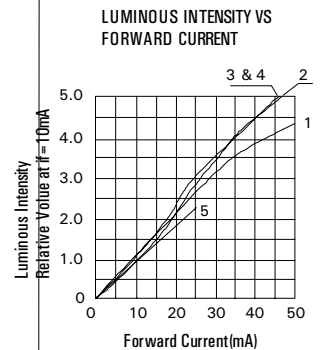


1. AlGaAs : I, SR



2. GaP : G

3 & 4. AllnGaP : SG, SY, SA, UR, SO



5. GalnN : B, BG, UG, W

Face Length	MM	14.0
Face Width	MM	7.6
Height	MM	8.5
Pin Spacing	MM	2.5
Row Spacing	MM	5.1
No. of pins	Pins	10
Seg. V _f @10mA	Volts	2.0

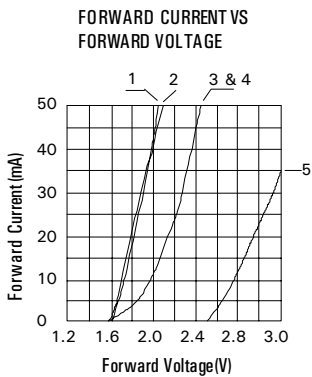
Common Anode
KLS 361X

Common Cathode
KLS 362X

Note : All Dimensions are in mm Tolerance ± 0.2 mm

PART NO.	Common Anode	CA														
	Common Cathode	CC	KLS361 I	KLS361 SR	KLS361 G	KLS361 SG	KLS361 SY	KLS361 SA	KLS361 UR	KLS361 SO	KLS361 B	KLS361 SBG	KLS361 UG	KLS361 W		
OPERATING CHARACTERISTICS AT 25°C <small>(Bigger Display may have more than one LED chip per segment)</small>			UNITS	SYMBOL	IRE D I	SUPER RED SR	GREEN G	SUPER GREEN SG	SUPER YELLOW SY	SUPER AMBER SA	ULTRA RED UR	SUPER ORANGE SO	BLUE B	BLUE GREEN SBG	ULTRA GREEN UG	WHITE W
Semiconductor Composition					AlGaAs		GaP/AlInGaP		AlInGaP			SiC / AlGaN				
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			-40° 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



1. AlGaAs : I, SR

2. GaP : G

3 & 4. AlInGaP : SG, SY, SA, UR, SO

5. GaInN : B, SBG, UG, W

