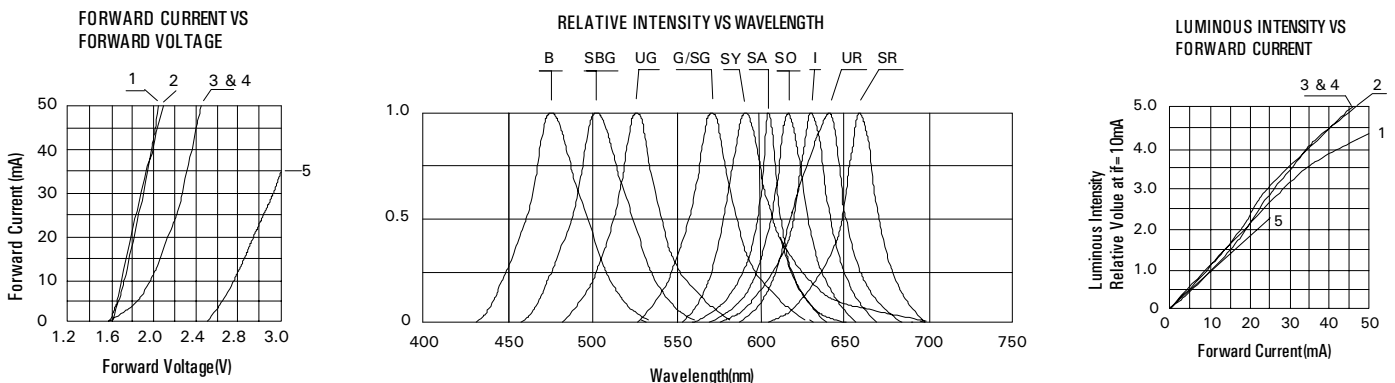


PART NO.	Common Anode	CA														
	Common Cathode	CC	KLD3611	KLD361 SR	KLD361 G	KLD361 SG	KLD361 SY	KLD361 SA	KLD361 UR	KLD361 SO	KLD361 B/UB	KLD361 BG	KLD361 UG	KLD361 W		
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IR	SUPER RED 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	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



- 1. AlGaAs : I, SR
- 2. GaP : G
- 3 & 4. AlInGaP : SG, SY, SA, UR, SO
- 5. GaInN : B, BG, UG, W

KPC/KLD36XX Rev. 00 1-1-04

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