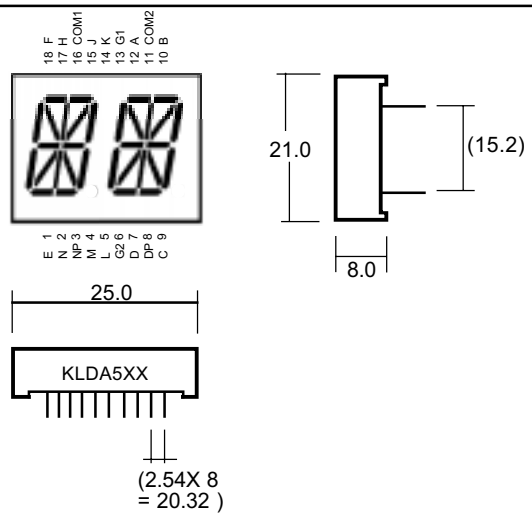
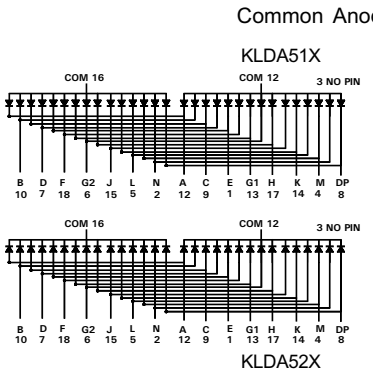
DATA SHEET 44 0.5” ALPHA NUMERIC (DUAL) KLDA5XX

Face Length	MM	25.0
Face Width	MM	21.0
Height	MM	8.0
Pin Spacing	MM	2.54
Row SPacing	MM	15.2
No.of pins	Pins	18

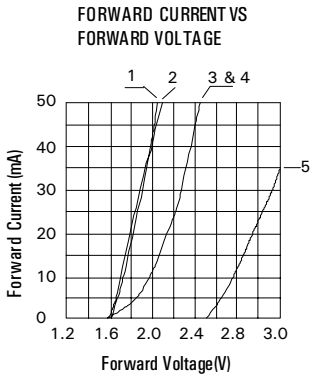


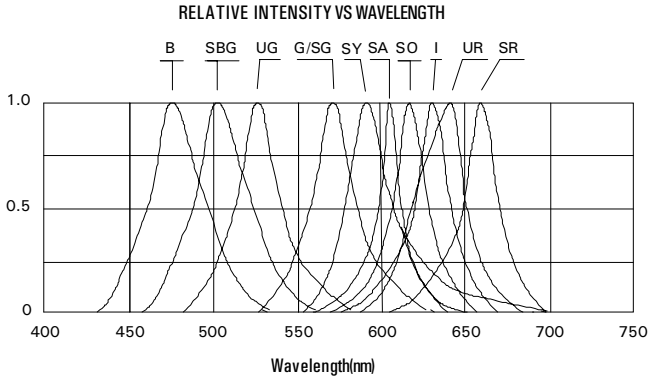


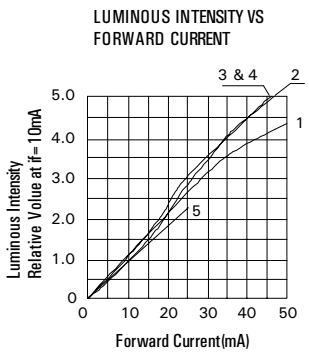
Note : All Dimensions are in mm Tolerance ± 0.2 mm

PART NO.				KLDA51 I	KLDA51 SR	KLDA51 G	KLDA51 SG	KLDA51 SY	KLDA51 SA	KLDA51 UR	KLDA51 SO	KLDA51 B/UB	KLDA51 BG	KLDA51 UG	KLDA51 W
	Common Anode	CA													
	Common Cathode	CC		KLDA52 I	KDLA52 SR	KLDA52 G	KLDA52 SG	KLDA52 SY	KLDA52 SA	KLDA52 UR	KLDA52 SO	KLDA52 B/UB	KLDA52 BG	KLDA52 UG	KLDA52 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		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	---
ABSOULTE 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. AlInGap : SG, SY, SA, UR, SO 5. GaInN : B, BG, UG, W

KPC/KLDA5XX Rev. 00 1-1-04

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