



PART NO.	Common Anode	CA																							
	Common Cathode	CC	KLD411	KLD41 SR	KLD41 G	KLD41 SG	KLD41 SY	KLD41 SA	KLD41 UR	KLD41 SO	KLD41 B/UB	KLD41 BG	KLD41 UG	KLD421	KLD42 SR	KLD42 G	KLD42 SG	KLD42 SY	KLD42 SA	KLD42 UR	KLD42 SO	KLD42 B/UB	KLD42 BG	KLD42 UG	KLD42 W
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IRLED 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 <sub>F</sub>	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 <sub>FM</sub>	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 <sub>R</sub> = 5V			μA	I <sub>R</sub>	100	100	100	100	100	100	100	100	100	100	100	100									
Peak Emission Wavelength			nm	λ <sub>p</sub>	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 <sub>v</sub>	3500	6000	4000	6000	7000	7500	13000	13000	6000	7000	17000	---									
ABSOLUTE MAXIMUM RATINGS AT 25°C			V	V <sub>R</sub>	5	5	5	5	5	5	5	5	5	5	5	5									
Reverse Voltage			V	V <sub>R</sub>	5	5	5	5	5	5	5	5	5	5	5	5									
Forward Current (avg)			mA	I <sub>F</sub>	20	20	20	20	20	20	20	20	20	20	20	20									
Peak Forward Current (T<1μs)			mA	I <sub>FS</sub>	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

