

Face Length	MM	20.1
Face Width	MM	16.0
Height	MM	7.0
Pin Spacing	MM	2.5
Row Spacing	MM	7.6
No. of pins	Pins	16

Note : All Dimensions are in mm

Tolerance  $\pm 0.2$  mm

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	KLD41 W	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	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 @ $V_R = 5V$			$\mu A$	$I_R$	100	100	100	100	100	100	100	100	100	100	100	100										
Peak Emission Wavelength			nm	$\lambda_p$	630	660	568	568	590	610	645	620	470	502	525	---										
Emission Wavelength Half Width			nm	$\Delta\lambda$	35	20	30	15	15	15	20	20	25	30	35	---										
Luminous Intensity per Segment			$\mu cd$	$I_V$	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

