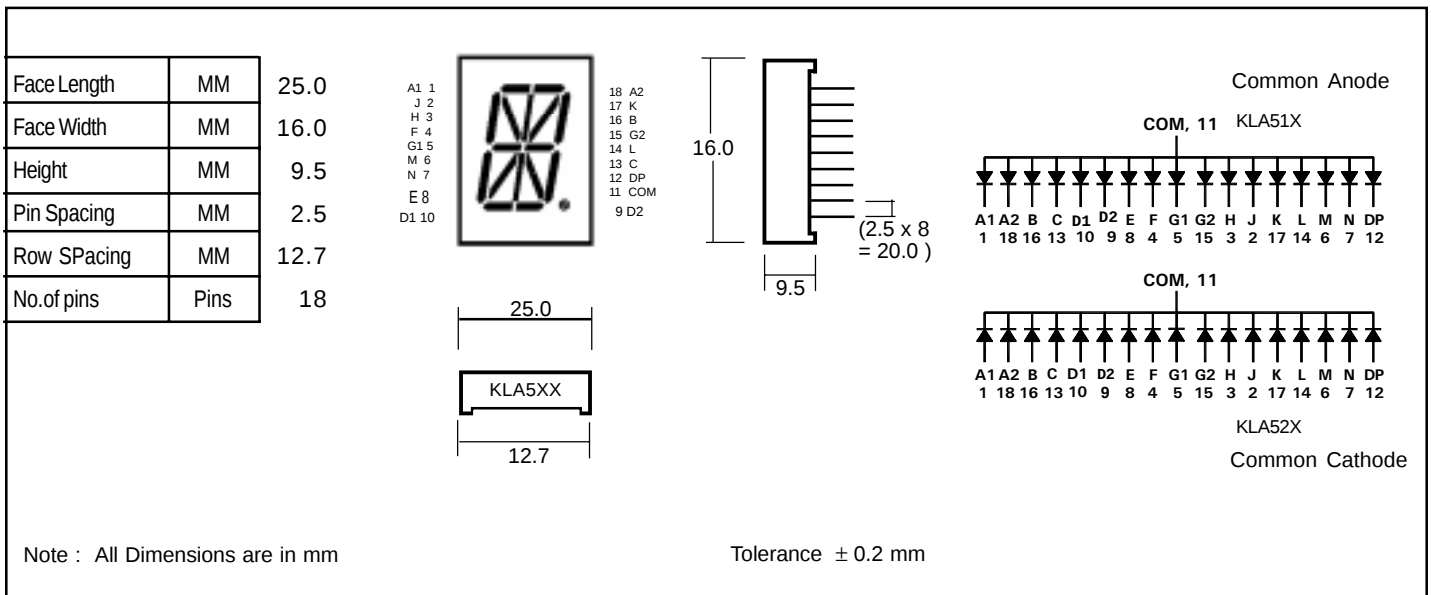




PART NO.	Common Anode	CA			KLA51 I	KLA51 SR	KLA51 G	KLA51 SG	KLA51 SY	KLA51 SA	KLA51 UR	KLA51 SO	KLA51 B/UB	KLA51 BG	KLA51 UG	KLA51 W
	Common Cathode	CC			KLA52 I	KLA52 SR	KLA52 G	KLA52 SG	KLA52 SY	KLA52 SA	KLA52 UR	KLA52 SO	KLA52 B/UB	KLA52 BG	KLA52 UG	KLA52 W
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	RED 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			V	V _F V _{FM} μA nm nm μcd	AlGaAs		GaP/AlInGaP		AlInGaP				SiC / GaInN			
Forward Voltage - Typical @ 10mA					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					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					100	100	100	100	100	100	100	100	100	100	100	100
Peak Emission Wavelength					630	660	568	568	590	610	645	620	470	502	525	---
Emission Wavelength Half Width					35	20	30	15	15	15	20	20	25	30	35	---
Luminous Intensity per Segment			3500	6000	4000	6000	7000	7500	13000	13000	6000	7000	17000	---		
ABSOLUTE MAXIMUM RATINGS AT 25°C			V mA mA	V _R I _F I _{FS}	5	5	5	5	5	5	5	5	5	5	5	5
Reverse Voltage					20	20	20	20	20	20	20	20	20	20	20	20
Forward Current (avg)					80	80	80	80	80	80	80	80	80	80	80	80
Peak Forward Current (T<1μs)																
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

