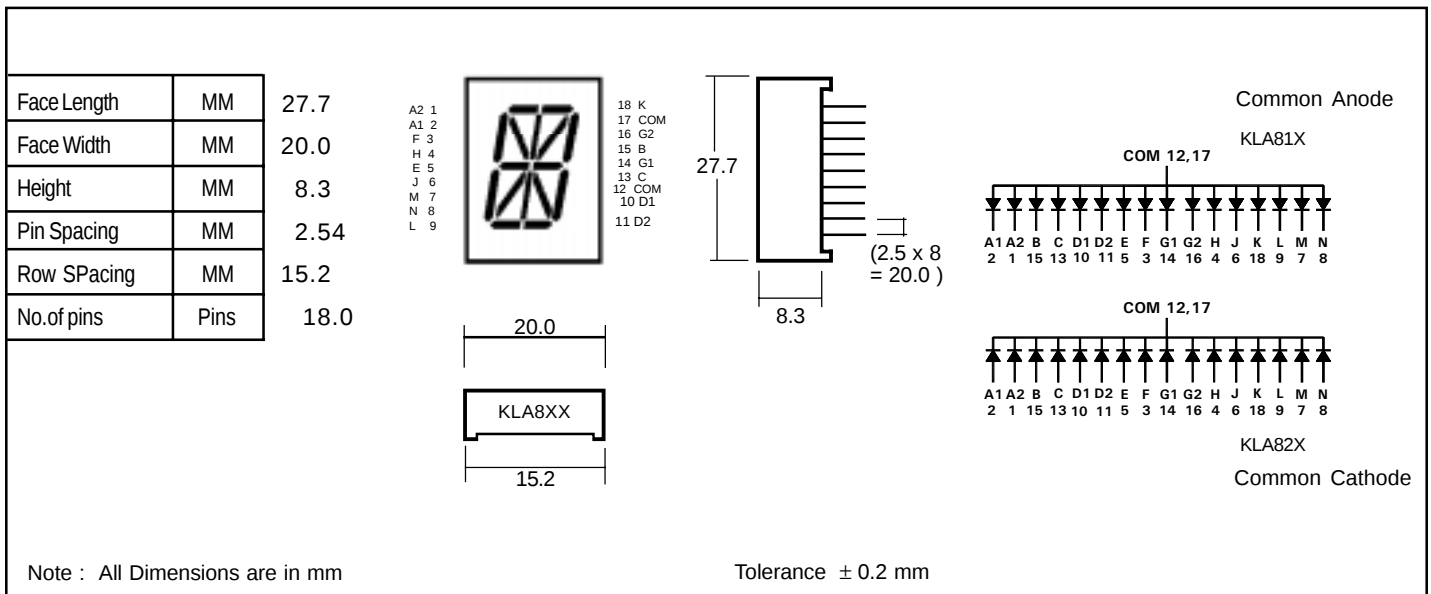




PART NO.	Common Anode	CA			KLA81I	KLA81SR	KLA81G	KLA81SG	KLA81SY	KLA81SA	KLA81UR	KLA81SO	KLA81B/UB	KLA81BG	KLA81UG	KLA81W
	Common Cathode	CC			KLA82I	KLA82SR	KLA82G	KLA82SG	KLA82SY	KLA82SA	KLA82UR	KLA82SO	KLA82B/UB	KLA82BG	KLA82UG	KLA82W
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more 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 ^o C to + 85 ^o C													
Lead Soldering Temperature			< 260 ^o 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

