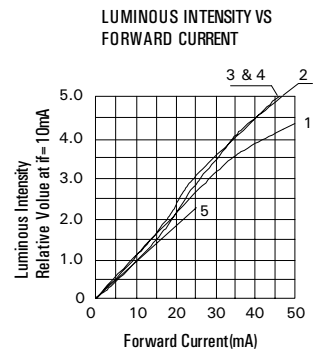
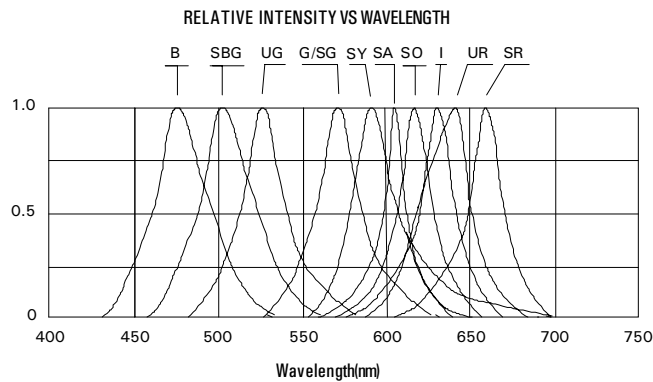
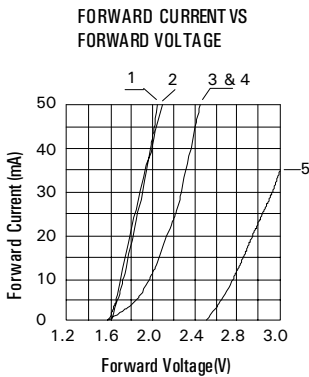


PART NO.	Common Anode	CA	KLS35 I		KLS35 SR		KLS35 G		KLS35 SG		KLS35 SY		KLS35 SA		KLS35 UR		KLS35 SO		KLS35 B/UB		KLS35 BG		KLS35 UG		KLS35 W	
	Common Cathode	CC	KLS36 I		KLS36 SR		KLS36 G		KLS36 SG		KLS36 SY		KLS36 SA		KLS36 UR		KLS36 SO		KLS36 B/UB		KLS36 BG		KLS36 UG		KLS36 W	
OPERATING CHARACTERISTICS AT 25°C (Bigger Display may have more than one LED chip per segment)			UNITS	SYMBOL	IRE D 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	Δλ	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	---										
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											
Peak Forward Current (T<1μs)			mA	I _{FS}	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