

Face Length	MM	50.3
Face Width	MM	19.0
Height	MM	8.0
Pin Spacing	MM	2.54
Row SPacing	MM	15.24
No. of pins	Pins	12

KLQ56XX

(2.54 x 5 = 12.70)

Common Anode
KLQ 563X

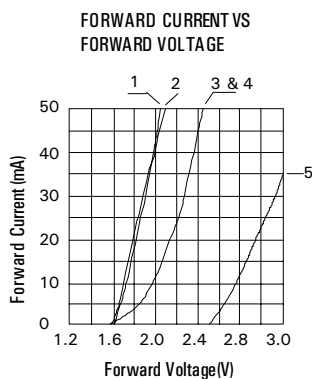
KLQ 564X
Common Cathode

Note : All Dimensions are in mm

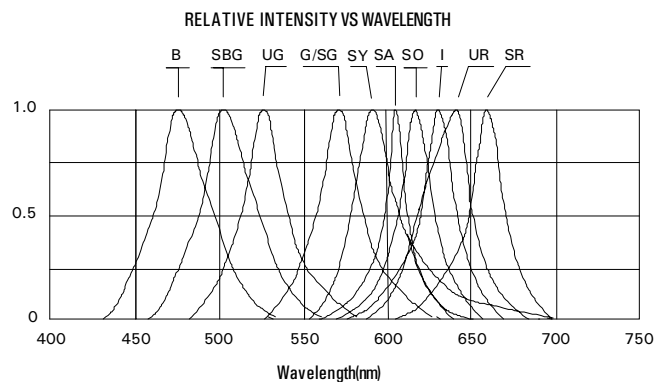
Tolerance ± 0.2 mm

PART NO.	Common Anode	CA			KLQ563 I	KLQ563 SR	KLQ563 G	KLQ563 SG	KLQ563 SY	KLQ563 SA	KLQ563 UR	KLQ563 SO	KLQ563 B/UB	KLQ563 BG	KLQ563 UG	KLQ563 W
	Common Cathode	CC			KLQ564 I	KLQ564 SR	KLQ564 G	KLQ564 SG	KLQ564 SY	KLQ564 SA	KLQ564 UR	KLQ564 SO	KLQ564 B/UB	KLQ564 BG	KLQ564 UG	KLQ564 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	2.10	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	
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	---		
ABSOLTE 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

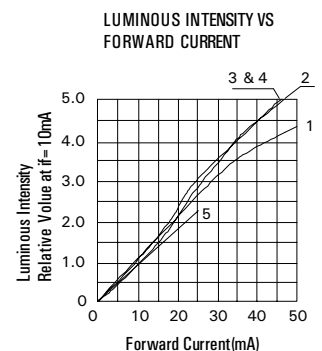


1. AlGaAs : I, SR



2. GaP : G

3 & 4. AlInGaP : SG, SY, SA, UR, SO



5. GaInN : B, BG, UG, W