

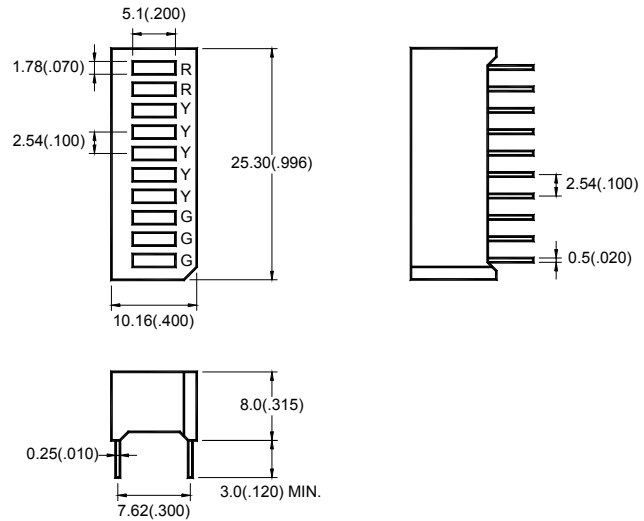
● **Features :**

1. Emitting area : 5.1×1.78×10 (mm)
2. Low power requirement.
3. Excellent characters appearance.
4. Solid state reliability.
5. Categorized for luminous intensity.
6. Universal pin out.

● **Description :**

1. The BA-3GE5K62J71UD is 10 bar graph array display.
2. This product use super Yellow green chips and super yellow chips and super orange red chips, the super yellow green chips are made from AlInGaP on GaAs substrate.the super yellow chips are made from AlGaInP on GaAs substrate,he super orange red chips are made from AlGaInP on GaAs substrate.
3. This product have a black face and white segments.
4. This product doesn't contain restriction substance, comply ROHS standard.

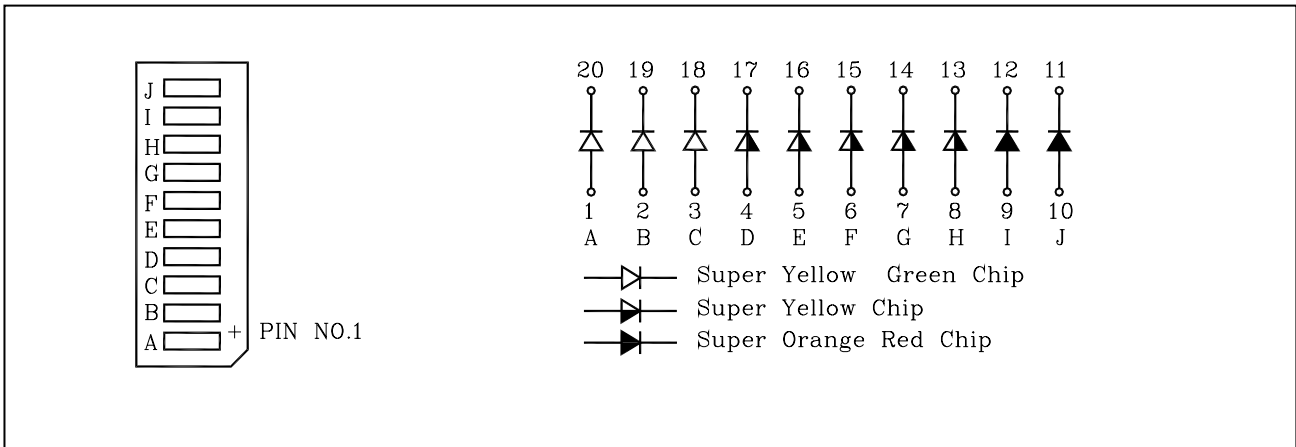
● **Package Dimensions :**



Notes:

1. All dimensions are in millimeters(inches).
2. Tolerance is ±0.25mm(.01")unless otherwise specified.
3. Specifications are subject to change without notice.

● **Internal Circuit Diagram :**



● **Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	Super Yellow Green	Super Yellow	Super Orange Red	Unit
Power Dissipation Per Segment	Pd	80	80	80	mW
Forward Current Per Segment	I _F	30	30	30	mA
Peak Forward Current Per Segment	I _{FP} (Duty 1/10, 1KHZ)	150	150	150	mA
Reverse Voltage Per Segment	V _R	5			V
Operating Temperature	Topr	-40°C~80°C			-
Storage Temperature	Tstg	-40°C~85°C			-
Soldering Temperature (1/16" From Body)	Tsol	260°C For 5 Seconds			-

● **Electrical And Optical Characteristics(Ta=25°C)**

Super Yellow Green

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage Per Segment	V _f	I _F =10mA	-	2.0	2.5	V
Luminous Intensity Per Segment	I _v	I _F =10mA	-	15.0	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	570	-	nm
Dominant Wave Length	λ _d	I _F =10mA	567	570	573	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	30	-	nm

Super Yellow

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage Per Segment	V _f	I _F =10mA	-	2.1	2.5	V
Luminous Intensity Per Segment	I _v	I _F =10mA	-	40.0	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	595	-	nm
Dominant Wave Length	λ _d	I _F =10mA	590	594	598	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	15	-	nm

Super Orange Red

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage Per Segment	V _f	I _F =10mA	-	2.1	2.5	V
Luminous Intensity Per Segment	I _v	I _F =10mA	-	40.0	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	630	-	nm
Dominant Wave Length	λ _d	I _F =10mA	620	625	630	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	17	-	nm

● Typical Electro-Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

Fig.1 Relative Radiant Intensity VS. Wavelength

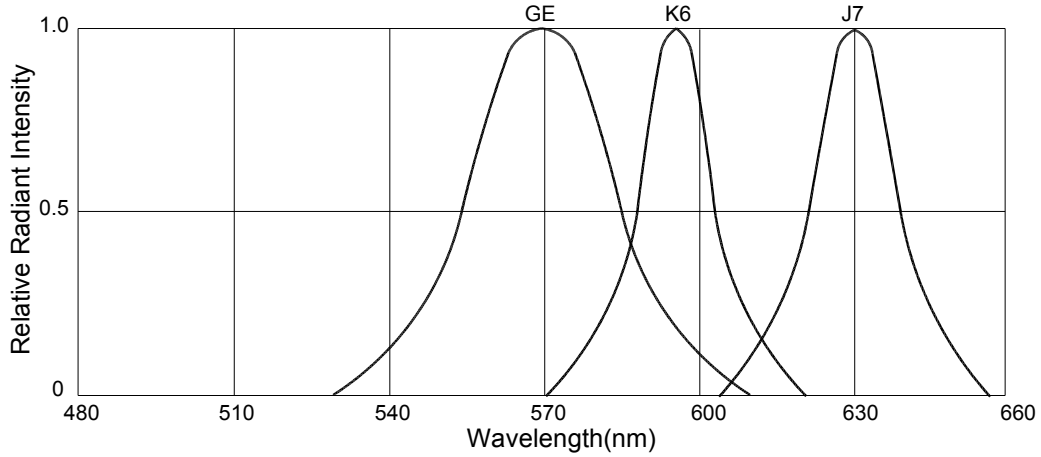


Fig.2 Forward Current VS. Forward Voltage

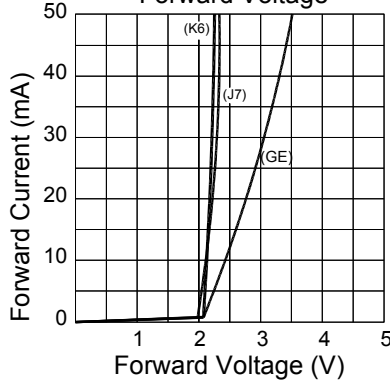


Fig.3 Relative Luminous Intensity VS. Ambient Temperature

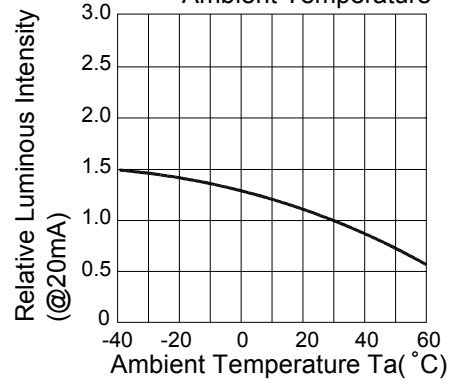


Fig.4 Relative Luminous Intensity VS. Forward Current

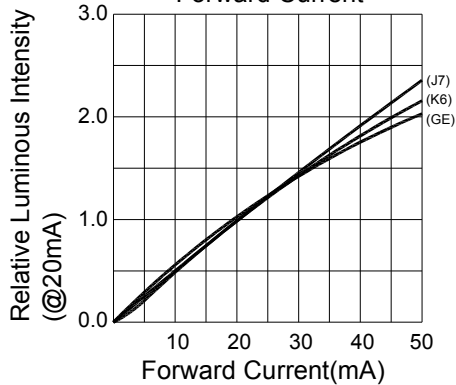


Fig.5 Forward Current Derating Curve VS. Ambient Temperature

