

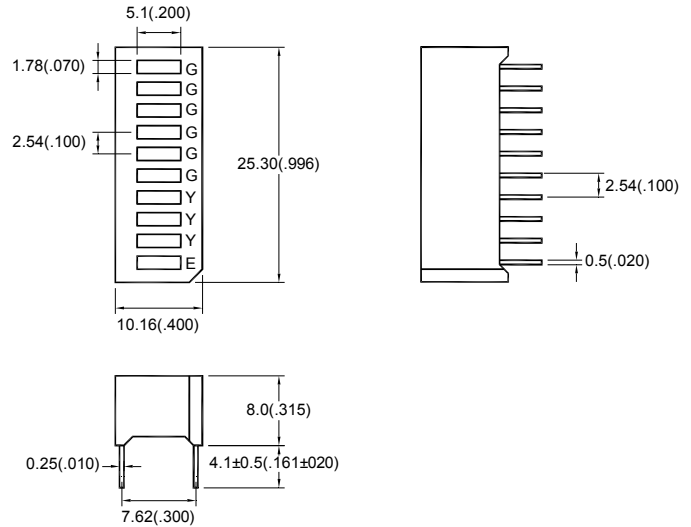
● **Features :**

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-1E3Y6G1UI is 10 bar graph array display.
2. This product use hi-eff red chips and yellow chips and green chips, the hi-eff red chips are made from GaAsP on GaP substrate, the yellow chips are made from GaAsP on GaP substrate, the green chips are made from GaP on GaP substrate.
3. This product have a gray face and white segments.
4. This product doesn't contain restriction substance, comply ROHS standard.

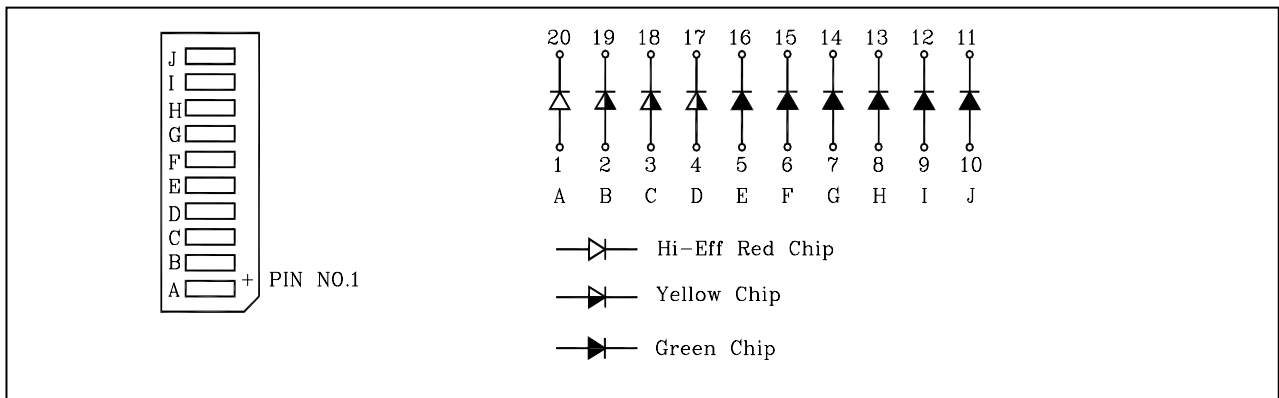
● **Package Dimensions :**



Notes:

1. All dimensions are in millimeters(inches).
2. Tolerance is $\pm 0.25\text{mm}(.01\text{'})$ unless otherwise specified.
3. Specifications are subject to change without notice.

● **Internal Circuit Diagram :**



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

Parameter	Symbol	Hi-Eff Red	Yellow	Green	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)**

Hi-Eff Red

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage Per Segment	V _f	I _F =10mA	-	1.9	2.5	V
Luminous Intensity Per Segment	I _v	I _F =10mA	-	5.0	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	640	-	nm
Dominant Wave Length	λ _d	I _F =10mA	626	-	636	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	40	-	nm

Yellow

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	-	4.5	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	589	-	nm
Dominant Wave Length	λ _d	I _F =10mA	586	-	594	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	35	-	nm

Green

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	-	5.0	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =10mA	-	568	-	nm
Dominant Wave Length	λ _d	I _F =10mA	569	-	574	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	30	-	nm

● Typical Electro-Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

