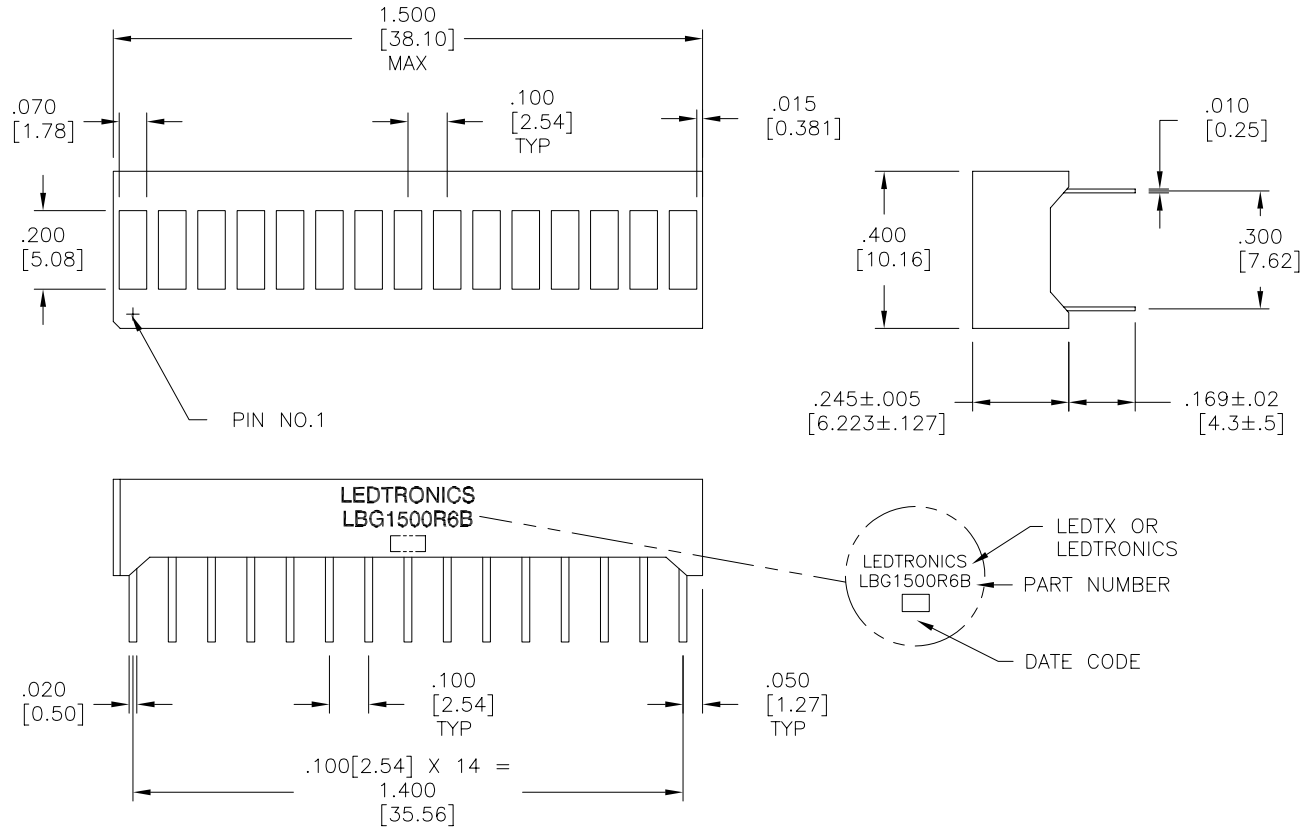
FORM 4.04-001A

LTR	REVISION	DATE	APPD
–	RELEASED (REF. ECR#102903-JH11)	01-22-08	



Notes:

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

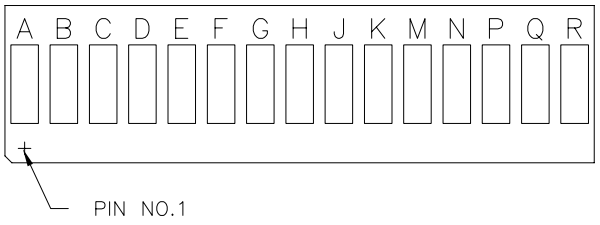
Features :

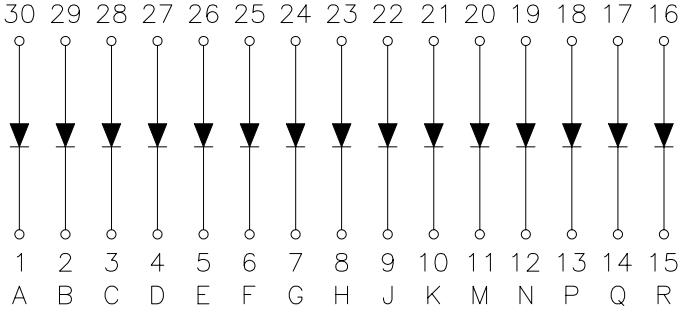
1. Emitting area : 5.1x1.7x15 (mm)
2. Low power requirement.
3. Excellent characters appearance.
4. Solid state reliability.
5. Categorized for luminous intensity.
6. Universal pin out.

Description :

1. The LBG1500R6B is 15 bar graph array display.
2. This product use super red chips, which are made from GaAlAs on GaAs substrate
3. This product have a black face and white segments.
4. This product is RoHS compliant.

Internal Circuit Diagram :





LEDTRONICS, INC.
23105 KASHIWA COURT
TORRANCE, CA 90505

.XXX ± .010 TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED)
.XX ± .025
ANGLES ± 0°,30'
FRACT. ± 1/32

TITLE: LBG1500R6B

DWG NO	SCALE	SHEET	DATE
SDBG0049	2:1	1 OF 3	01-22-08

CODE IDENT NO.	DWG BY	CHK BY	QA	MFG	CUSTOMER
8Z410	GP	PL 01-22-08			

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation Per Segment	Pd	80	mW
Forward Current Per Segment	I_F	30	mA
Peak Forward Current Per Segment	I_{FP} (Duty 1/10, 1KHZ)	150	mA
Reverse Voltage Per Segment	V_R	5	V
Operating Temperature	Topr	-40°C ~ 80°C	°C
Storage Temperature	Tstg	-40°C ~ 85°C	°C
Soldering Temperature (1/16" From Body)	Tsol	260°C For 5 Seconds	°C

Electrical And Optical Characteristics(Ta=25°C)

Parameter	symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage Per Segment	Vf	I_F=10mA	-	1.7	2.5	V
Luminous Intensity Per Segment	Iv	I_F=10mA	-	12.0	-	mcd
Reverse Current Per Segment	I_R	V_R=5V	-	-	100	μA
Peak Wave Length	λp	I_F=10mA	-	660	-	nm
Dominant Wave Length	λd	I_F=10mA	638	-	648	nm
Spectral Line Half-width	Δλ	I_F=10mA	-	20	-	nm

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DWG NO	SCALE	SHEET	DATE
SDBG0049-A	1:1	2 OF 3	01-22-08

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Typical Electro-Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

Fig.1 Relative Radiant Intensity VS. Wavelength

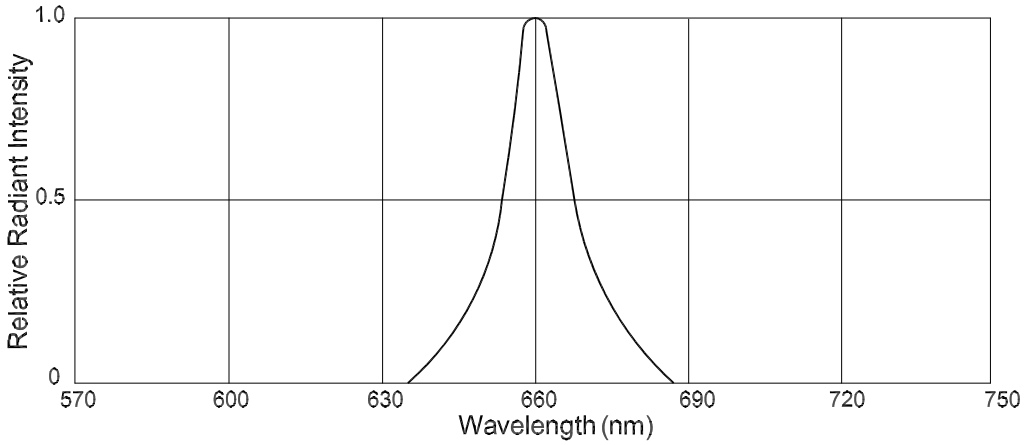


Fig.2 Forward Current VS. Forward Voltage

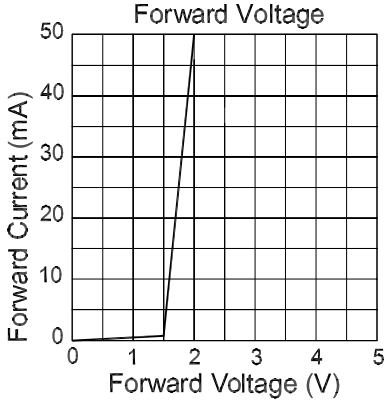


Fig.3 Relative Luminous Intensity VS. Ambient Temperature

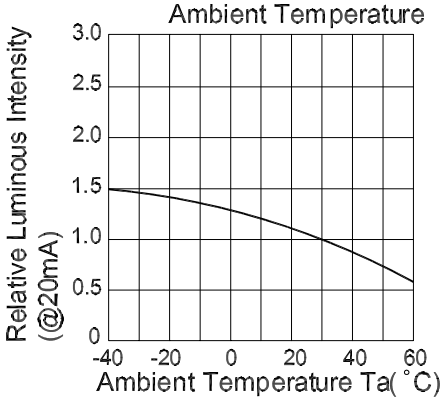


Fig.4 Relative Luminous Intensity VS. Forward Current

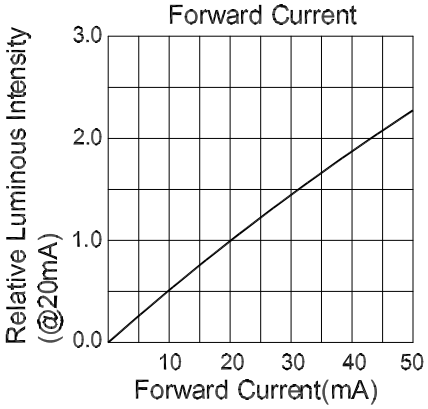
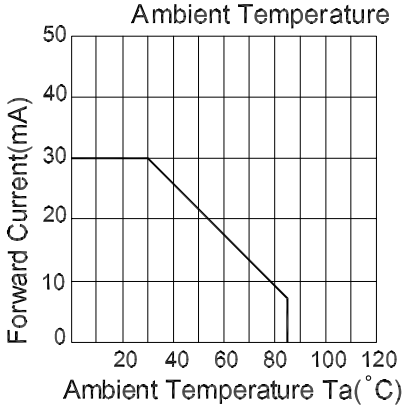


Fig.5 Forward Current Derating Curve VS. Ambient Temperature



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SDBG0049-B	1:1	3 OF 3	01-22-08

CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER
8Z410	GP				