



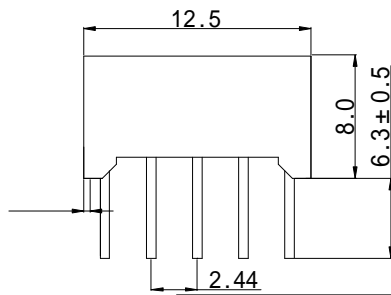
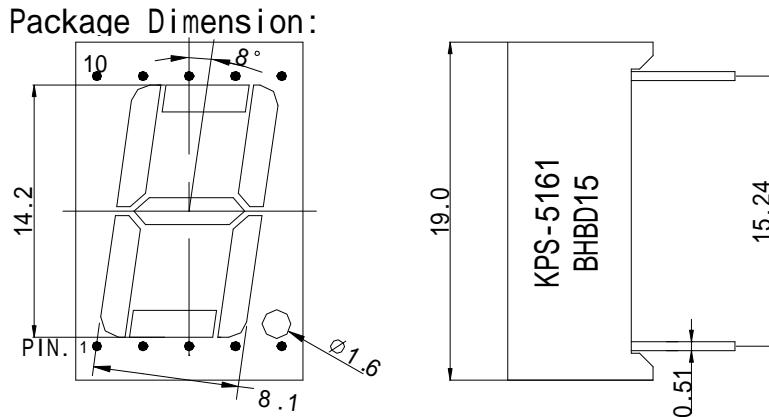
LED DISPLAY

Part Number:

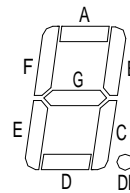
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KPS-5161BHBD15

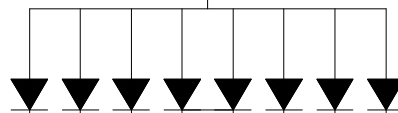
Rev:00



Pin Function



3,8
COM



A B C D E F G DP
7 6 4 2 1 9 10 5

Part Number	Chip		CCorCA
KPS-5161BHBD15	Material	Emitting Color	
	GaAlAs/GaAs	RED	CA

NOTES:

- All dimensions are millimeters(inches)
- Tolerance is 0.25mm(0.01")unless otherwise noted.
- COLLOID COLOR: WHITE
- FACE COLOR: BLACK



LED DISPLAY

Part Number: KPS-5161BHBD15

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1.SPECIFICATIONS

(1) Absolute Maximum Rating/ (Ta=25)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current/	IF	40	mA
Peak Forward Current/	IFP	200	mA
Reverse Voltage /	VR	5	V
Power Dissipation/	PD	110	mW
Electrostatic Discharge /HBM	ESD	/	V
Operating Temperature/	TOP	-40 ~80	
Storage Temperature/	TSTG	-40 ~100	
Lead Soldering Temperature	TSOL	260 FOR 5 SECONDS	

IFP Conditions: Pulse Width 10msec.and duty 1/10

(2) Initial Electrical/Optical Characteristics/ (Ta=25)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage/	VF	IF=20(mA)	1.5	1.7	2.4	V
Reverse Current/	IR	VR=5(V)	/	/	100	μ A
Luminous Intensity/	IV	IF=10(mA)	1800	2200	/	ucd
Peak Wavelength/	p	IF=20(mA)	655	660	665	nm
Spectral width at half height /				20	/	nm

2.TYPICAL INTIAL OPICAL/ELECTRICAL CHARACTERISTICS

Please refer to Figures: Page:3/3

3.OUTLINE DIMENSIONS AND MATERIALS

Please refer to Figures:Page:2/3

Material as follows: Resin :Epoxy



LED DISPLAY

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Typical Electro-Optical Characteristic Curves:

Fig1.Forward Current vs.Forward Voltage

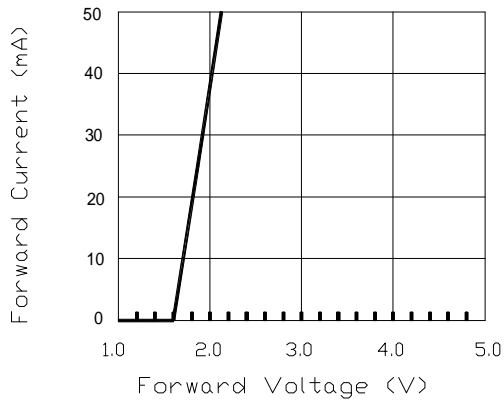


Fig2.Relative Intensity vs. Forward Current

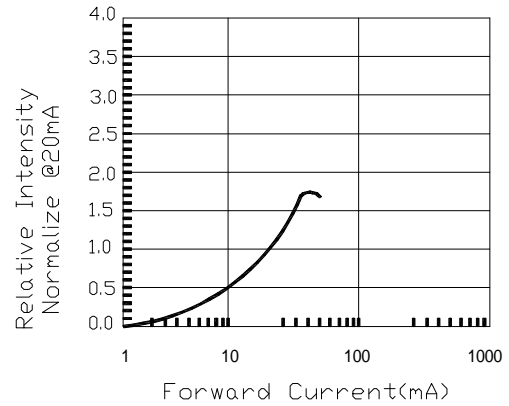


Fig3.Forward Voltage vs. Temperature

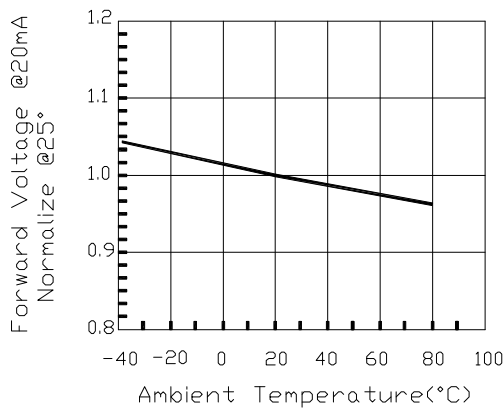


Fig4.Relative Intensity vs. Temperature

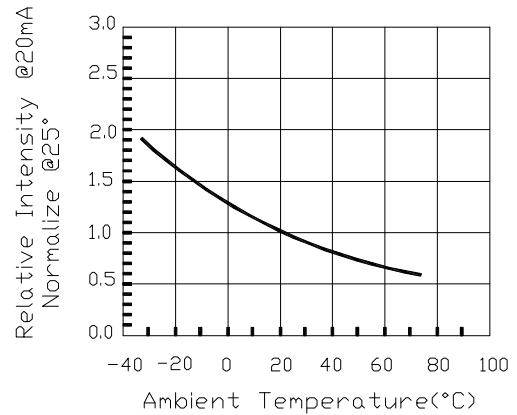


Fig5.Relative Intensity vs. Wavelength

