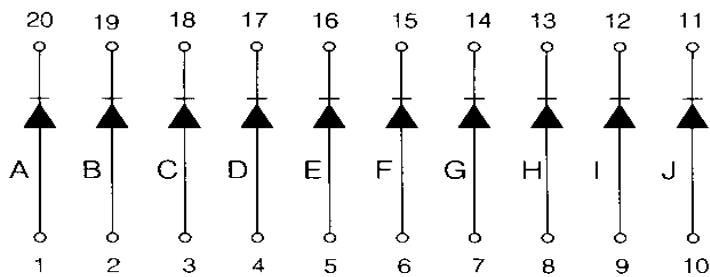
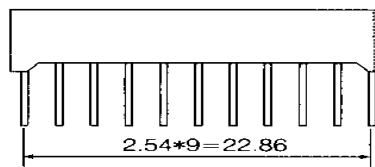
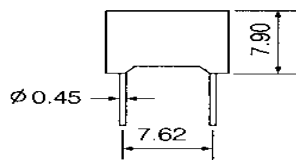
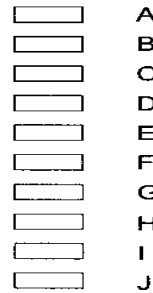
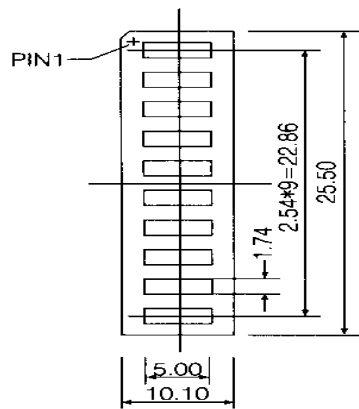


## DATA SHEET for LED DISPLAY

HBSR-105

Part No.	Dice Color
HBSR-105	Super Red
Internal Circuit Diagram	Package Dimensions



HBSR-105

### Absolute Maximum Rating of Each Segment

(Ta=25℃)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P <sub>M</sub>	65	mW
Continuous Forward Current	I <sub>F</sub>	25	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operation Temperature	T <sub>opr</sub>	-20℃ ~ 70℃	℃
Storage Temperature	T <sub>stg</sub>	-20℃ ~ 85℃	℃

### Electron-Optical Characteristics of Each Segment

(Ta=25℃)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>		5.0		mcd	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>		1.8	2.3	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>			20	μA	V <sub>R</sub> =5V
Peak Wavelength	λ <sub>p</sub>		660		nm	I <sub>F</sub> =20mA