

BS-C824RD



 This product have a black face and white segments.



Internal Circuit Diagram :





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	-
Storage Temperature	Tstg	-40°C ~85°C	-
Soldering Temperature (1/16" From Body)	Tsol	2 <mark>60℃</mark> For 5 Seconds	-

Electrical And Optical Characteristics(Ta=25℃)

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage Per Segment	Vf	I _F =10mA		1.9	2.5	V
Luminous Intensity Per Segment	lv	I _F =10mA	-	3.2	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λρ	I _F =10mA	-	635	-	nm
Dominant Wave Length	λd	I _F =10mA	-	630	-	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	45	-	nm







Dip Soldering



- 1. Please avoid any external stress applied to the lead-frames and epoxy while the LEDs are at high temperature, especially during soldering
- 2. DIP soldering and hand soldering should not be done more than one time.
- 3. After soldering, avoid the epoxy lens from mechanical shock or vibration until the LEDs are back to room temperature.
- 4. Avoid rapid cooling during temperature ramp-down process
- 5. Although the soldering condition is recommended above,

soldering at the lowest possible temperature is feasible for the LEDs

IRON Soldering

 $^{350^{\}circ}$ C Within 3 sec., One time only.