

## LO568PRB2-80Q-A3

### Features

80° x 60° Viewing Angle  
 5mm Oval Lens  
 White Diffused Lens  
 No Stand Offs

### Applications

Variable Message Signs  
 Message Board

### Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.		Unit
		AHR	UBL	
Forward Current	I <sub>F</sub>	50	25	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>D</sub>	125.00	100.00	mW
Operating Temperature	T <sub>opr</sub>	-40 ~ +95	-40 ~ +95	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	-40 ~ +100	°C
Soldering Temperature	T <sub>sol</sub>	260	260	°C
Soldering Time	-	for 3 sec. max	for 3 sec. max	-

### Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min		Typ		Max		Unit
			AHR	UBL	AHR	UBL	AHR	UBL	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	-	2.00	3.40	2.50	4.00	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	-	-	100	100	μA
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	200.00	145.00	350.00	250.00	-	-	mcd
Viewing Angle	2θ <sup>1/2</sup>	-	-	-	80° x 60°	80° x 60°	-	-	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	-	632	465	-	-	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	-	-	624	470	-	-	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	-	-	20	28	-	-	nm

LO568PRB2-80Q-A3 Graphs

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