

# Q810NDH4D

## 10mm Ultra Bright Red LED Lamps

10mm with AlGaInP Dice

Encapsulated with Water Clear Lens Package

Long Leads

### Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	-20 to 75	
Storage Temperature Range	-40 to 100	
Lead Soldering Temperature	260 for 3 seconds 1.6mm (0.063 inch) from body	

### Electro-Optical Characteristics $T_a = 25$

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	$I_f = 20\text{mA}$	$V_f$	1.80	2.0	2.40	V
Reverse Current	$V_r = 5\text{V}$	$I_r$			10	$\mu\text{A}$
Luminous Intensity	$I_f = 20\text{mA}$	$I_v$		9000		mcd
Spectral Bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$		20		nm
Wavelength	$I_f = 20\text{mA}$	$\lambda_p$		635		nm
		$\lambda_d$	618	625	635	nm
Half View Angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$		30		deg

### Package

Item: (10mm) 810

