

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 $T_a = 25^\circ\text{C}$

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	μA
Luminous Intensity	$I_f = 20\text{mA}$	I_v		9000		mcd
Spectral Bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$		20		nm
Wavelength	$I_f = 20\text{mA}$	λ_p		635		nm
		λ_d	618	625	635	nm
Half View Angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$		30		deg

Package

Item: (10mm) 810

