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Introduction



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Electrical / Optical Characteristic (Ta=25°C)

Product			V _F (V)		λ⊳ (nm)	λ⊳ (nm)	l _v (m	ncd)
Product	Color I _F (mA)	IF (MA)	Тур.	Max.	Тур.	Тур.	Min.	Тур.
QBL8RAG30D1	Red	20	2.0	2.4	624	632	600	1000
QDL0NAG30D1	Green	20	2.0	2.4	570	573	210	350

Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	Т _{оР} (°С)	Т _{ST} (°С)	T _{SOL} (°C)**
AllnGaP	60	25	100	5	-40 to +85	-40 to +100	260

*Duty Factor =10% @ 1KHz

**Wave soldering for no more than 5 sec @ 260 °C

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Characteristic Curves



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Ordering Information

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Part #	Orderable Part #	Spec Range	Quantity per bag			
	Red: Iv=1000mcd typ. @ I _F =20mA, λ D=624nm typ.	500===				
QBL8RAG30D1	QBL8RAG30D1	Yellow Green: Iv=350mcd typ. @ I _F =20mA, λ_D = 570nm typ.	500pcs			

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Revision History

Description:	Revision #	Revision Date
New Release of QBL8RAG30D1	V1.0	07/18/2020
Drawing Update	V1.1	06/24/2022

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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