

Product: QBOL5XX50D Series	Date: June 25, 2011	Page 1 of 6
	Version# 1.1	

Electrical / Optical Characteristic (T=25 °C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)			I _V (mcd)	
			Typ.	max	Min	Typ.	Max.	min	typ.
QBOL4R50D	Red	20	2.0	2.6	619	--	628	600	900
QBOL4IG50D	True Green	20	3.2	3.6	519	--	528	1500	2200
QBOL4IB60D	Blue	20	3.2	3.6	465	--	471	290	480

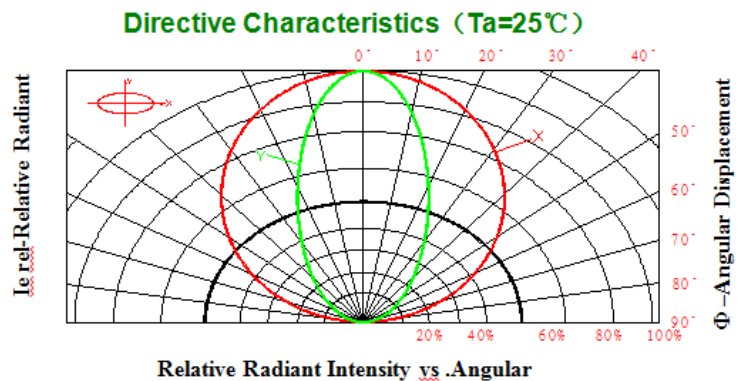
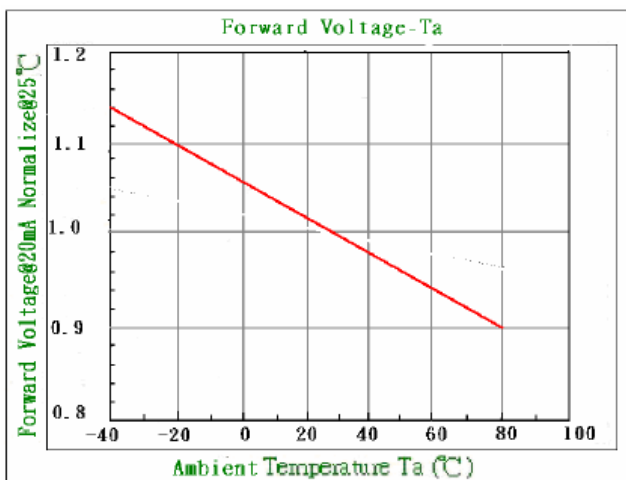
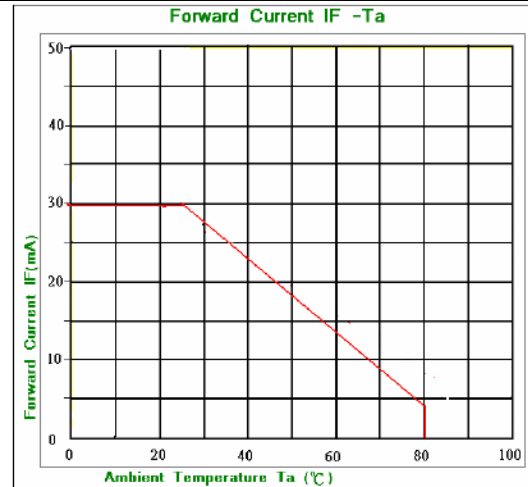
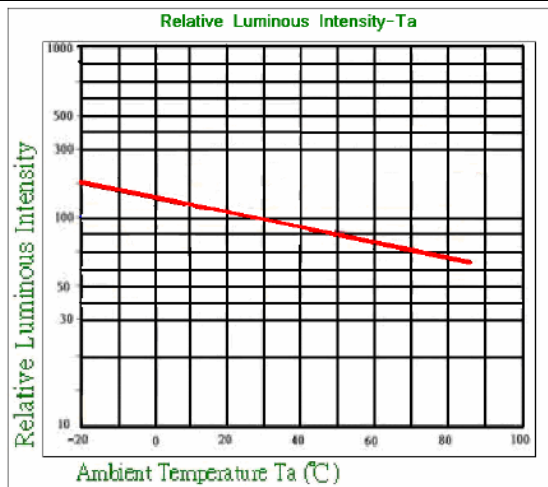
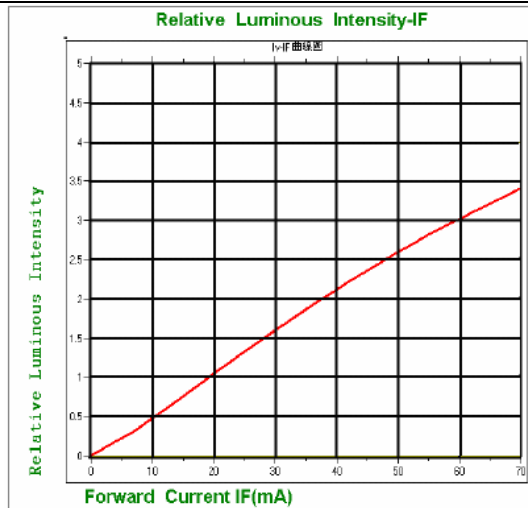
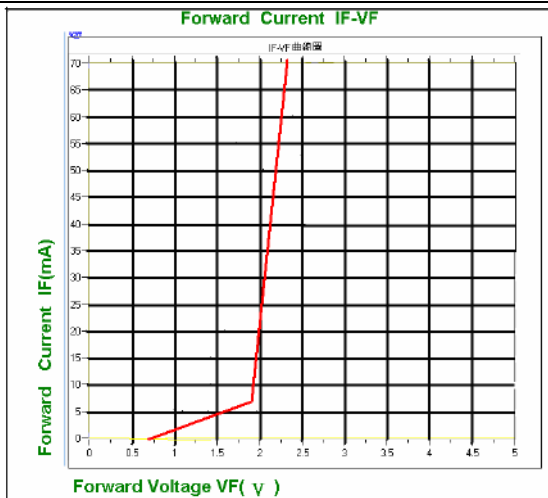
Absolute Maximum Rating

Part #	Color	P _d (mW)	I _F (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
QBOL4R50D	Red	90	30	5	-30 to + 80	-40 to +100
QBOL4IG50D	True Green	110	30	5	-30 to + 80	-40 to +100
QBOL4IB50D	Blue	110	30	5	-30 to + 80	-40 to +100

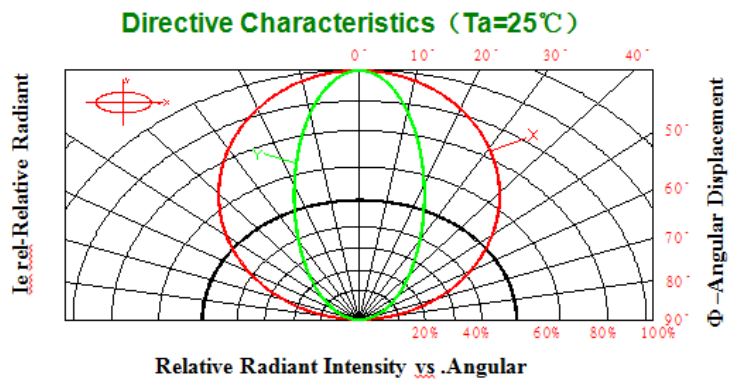
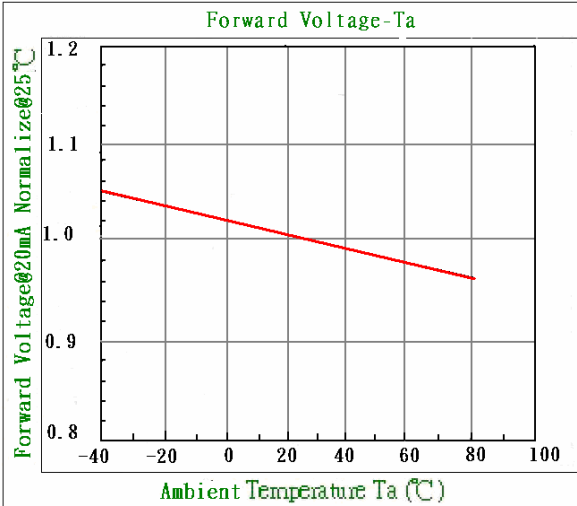
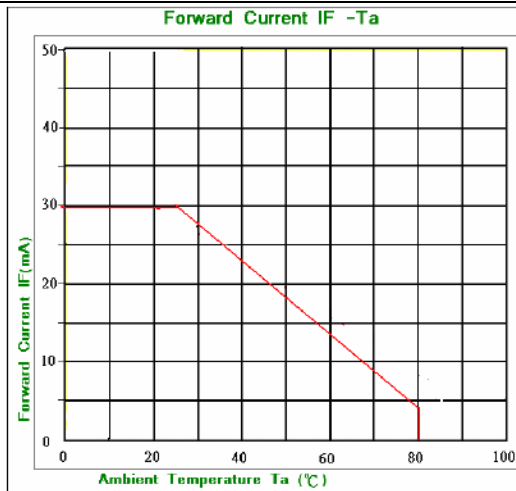
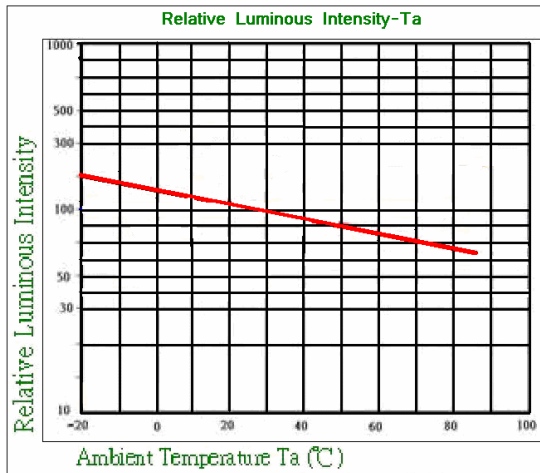
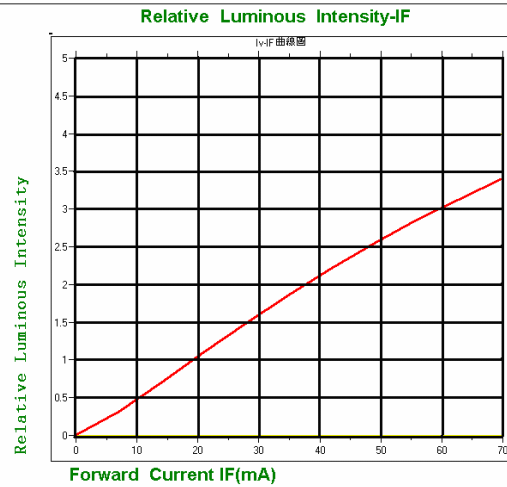
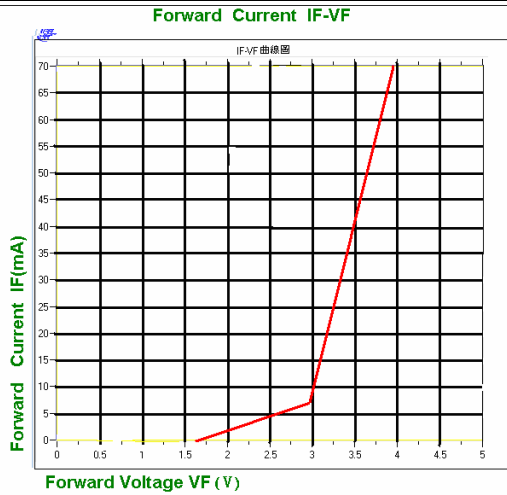
*Duty 1/10 @ 1KHz

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

Characteristic Curves for AlInGaP:



Characteristic Curves for InGaN:



Ordering Information:

Part #	Orderable Part #	Spec Range	Quantity per bag
QBOL5R50D	QBOL5R50D	Iv=900mcd typ. @ I _F =20mA	TBD
QBOL5IG50D	QBOL5IG50D	Iv=2200mcd typ. @ I _F =20mA	TBD
QBOL5IB50D	QBOL5IB50D	Iv=480 mcd typ. @ I _F =20mA	TBD

Revision History:

Description:	Revision #	Revision Date
New Release of QBOL5X50D Series	V1.0	06/06/2011
Amend the part number to QBOL5XX50D_series	V1.1	06/25/2011