

Feature:

- 0.39" four digit seven segments display
- Low power consumption
- Packed in reel
- White segment and grey surface
- Z = 0 (common anode) or 1 (common cathode)
- XX = color code

Description:

These 0.39" four digit seven segments displays are made with white segment and grey surface. The viewing distance is up to seven meters.

Application:

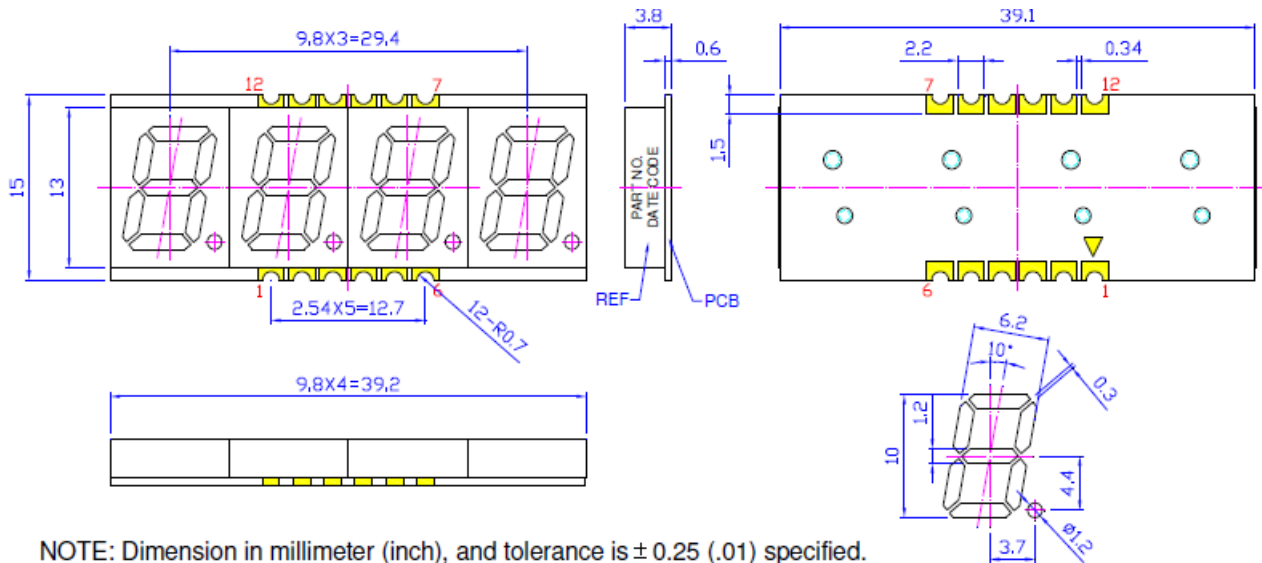
- Instrument panels
- Indoor/Outdoor display board
- Audio equipment

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.25mm

Electrical / Optical Characteristic: (T=25 °C)

Product		Material	Color	I _F (mA)	V _F (V)	λ(nm)		I _V (mcd)
CA	CC				Typ.	Min.	Max.	Typ.
QBQS390R	QBQS391R	AllnGaP	Red	20	2.0	619	629	60
QBQS390Y	QBQS391Y	AllnGaP	Yellow	20	2.0	585	595	35
QBQS390AG	QBQS391AG	AllnGaP	Yellow Green	20	2.0	566	574	25
QBQS390IB	QBQS391IB	InGaP	Blue	20	3.0	460	470	200
QBQS390IG	QBQS391IG	InGaP	Green	20	3.0	520	535	200

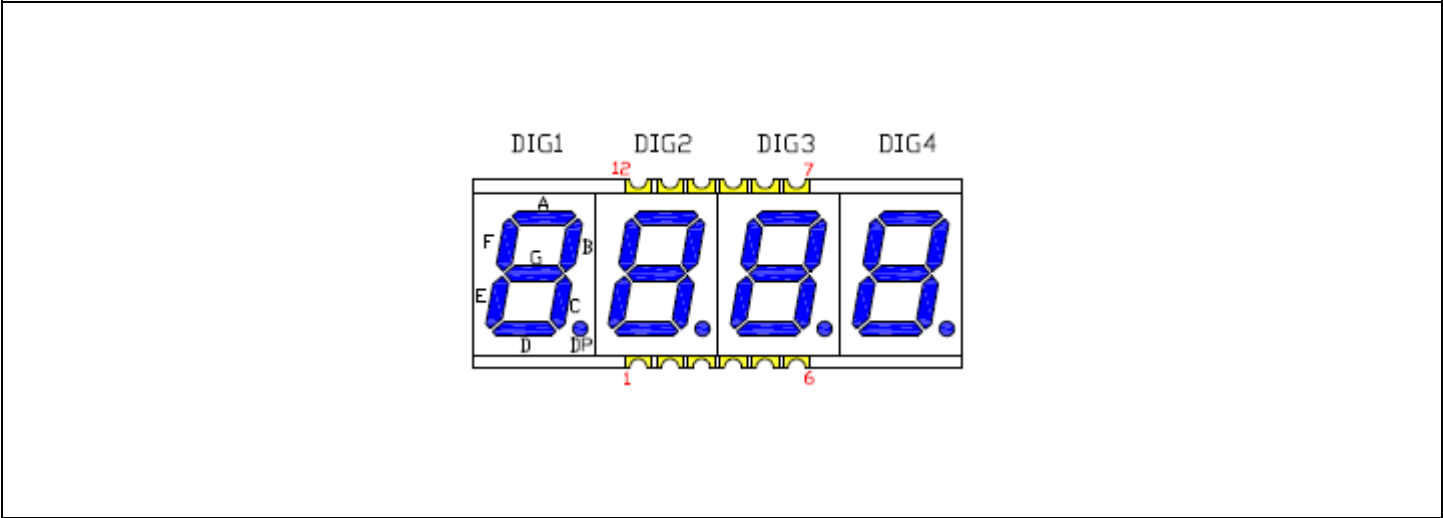
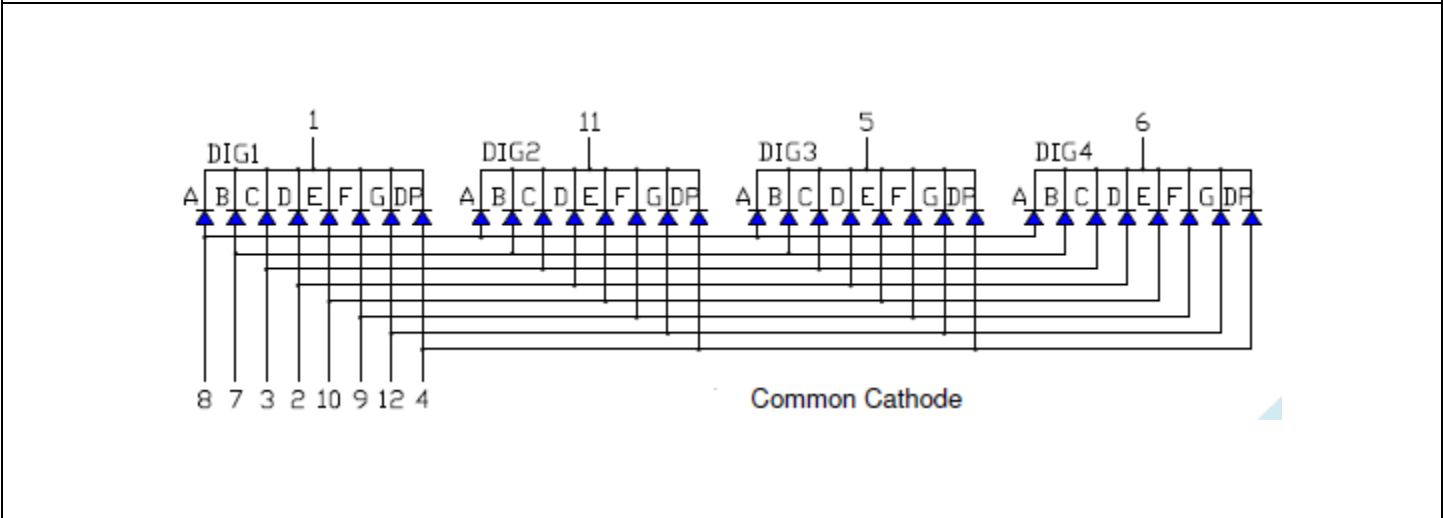
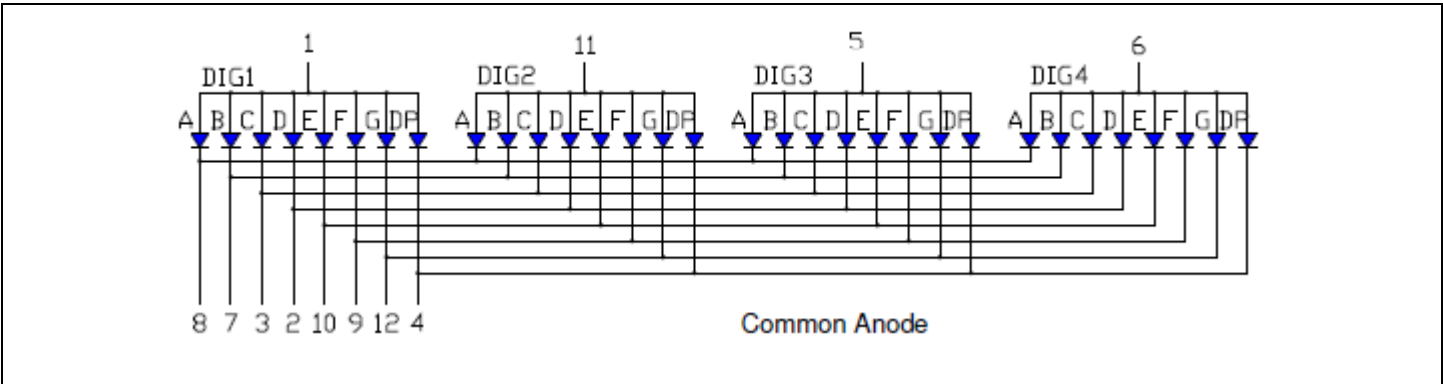
Absolute Maximum Rating:

Material	P _d (mW)	Derating linear from 25C per dice (mW/C)	I _F (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{SOL} (°C)**
AllnGaP	70	0.28	25	5	-40 to + 105	-40 to +105	260
InGaP	120	0.3	30	5	-40 to +105	-40 to +105	260

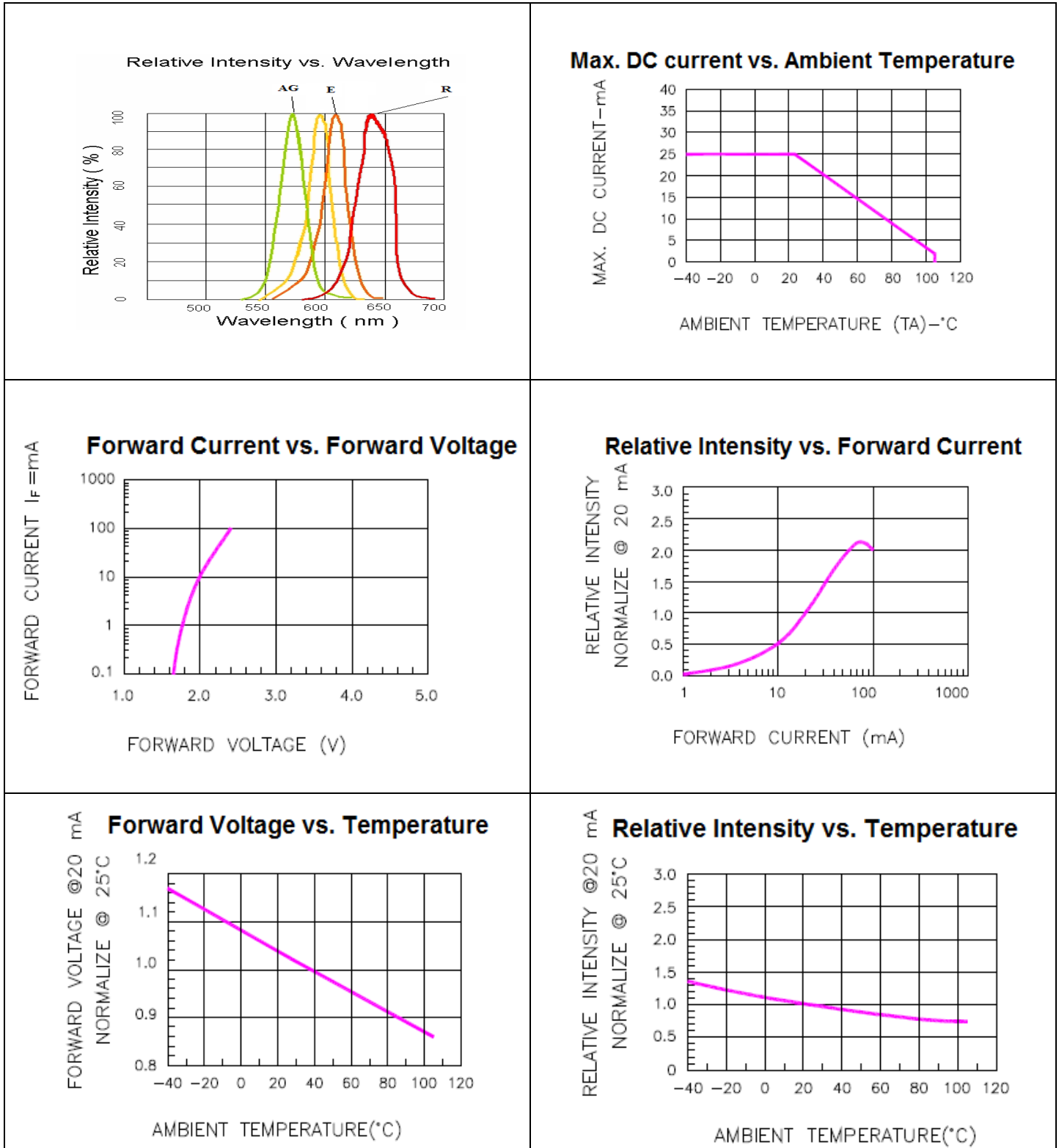
*Duty 1/10 @ 1KHz

** IR Reflow for no more than 5 sec @ 260 °C

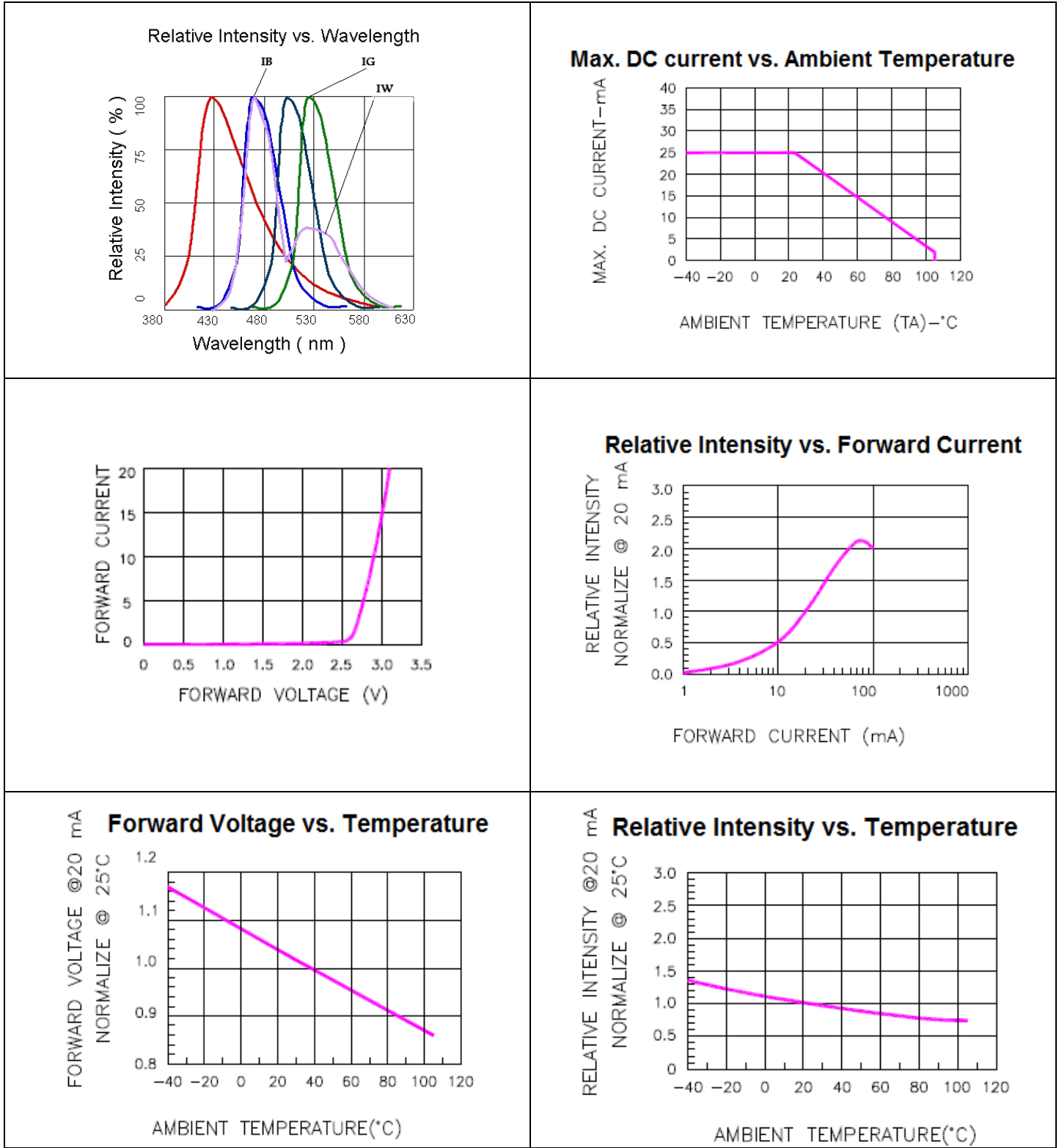
Pin Configuration:



Characteristic Curves: (AlInGaP)



Characteristic Curves: (InGaN)



Ordering Information:

Product		Spec Range	Quantity per reel
CA	CA		
QBQS390R	QBQS391R	lv = 60mcd typ.	1000pcs
QBQS390Y	QBQS391Y	lv = 35mcd typ.	1000pcs
QBQS390AG	QBQS391AG	lv = 25mcd typ.	1000pcs
QBQS390IB	QBQS391IB	lv = 200mcd typ.	1000pcs
QBQS390IG	QBQS391IG	lv = 200mcd typ.	1000pcs

Revision History:

Description:	Revision #	Revision Date
New Release of QBQS39ZXX	V1.0	6/24/2011