

41PCT170TAG3K

Aqua Green

Quad-Level, Right-Angled PCB LEDs

DWG BY:

MM

02-28-11

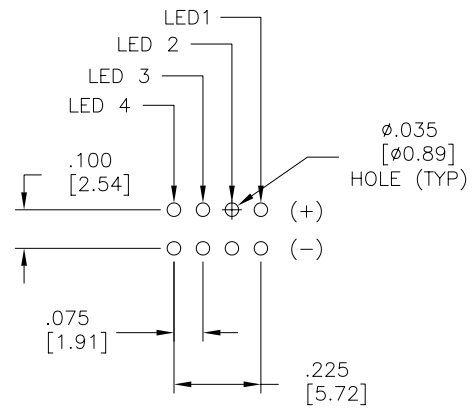
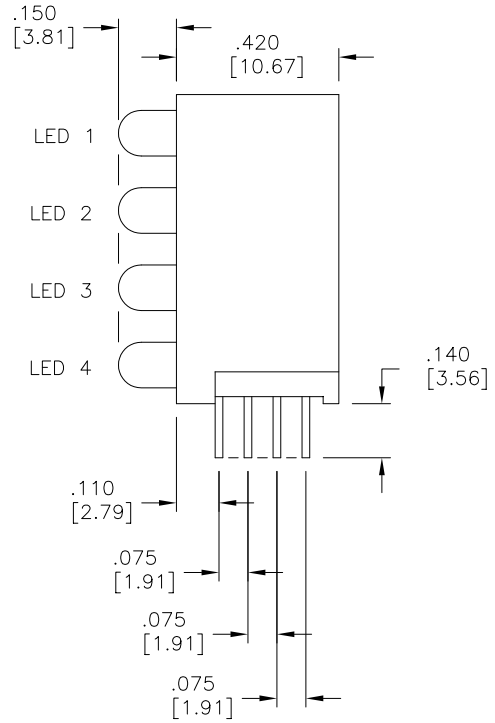
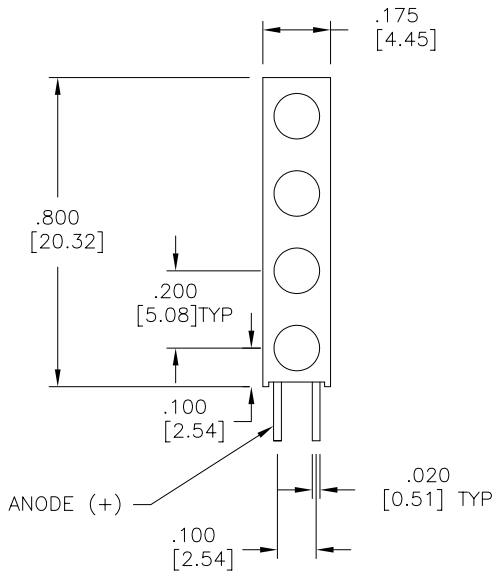
CHK BY:

BJ

02-28-11

REVISION LTR: -

02-28-11



FOOTPRINT

TOLERANCE PER ANSI-Y14.5 (UNLESS OTHERWISE STATED)
 .XXX ± .010
 .XX ± .025
 ANGLES ± 0°,30'
 FRACT. ± 1/32



● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	-	3.2	3.5	V
Luminous Intensity	I _v	I _F =20mA	-	7000	-	mcd
Reverse Current	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	-	517	-	nm
Dominant Wave Length	λ _d	I _F =20mA	-	523	-	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	32	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	30	-	deg
Radiant Intensity		I _F =20mA	-	15	-	mW/sr
Chromaticity Coordinates	X	I _F =20mA	-	0.15	-	
	Y		-	0.72	-	

● **Typical electro-optical characteristics curves**

Fig.1 Relative intensity vs. Wavelength

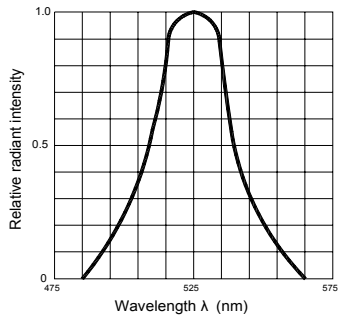


Fig.2 Forward current derating curve vs. Ambient temperature

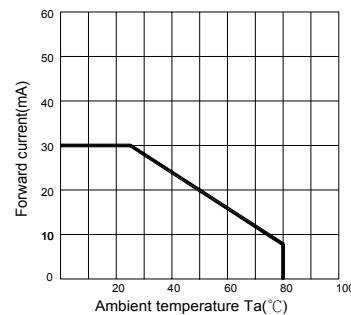


Fig.3 Forward current vs. Forward voltage

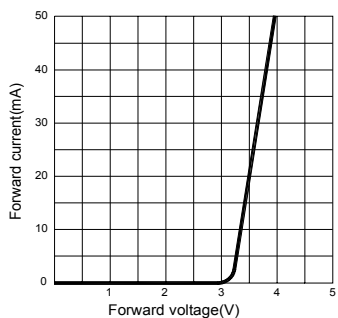


Fig.4 Relative luminous intensity vs. Ambient temperature

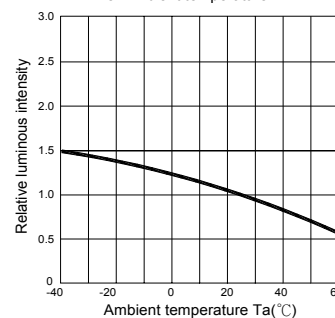


Fig.5 Relative luminous intensity vs. Forward current

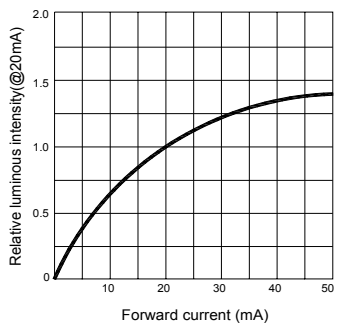


Fig.6 Radiation diagram

