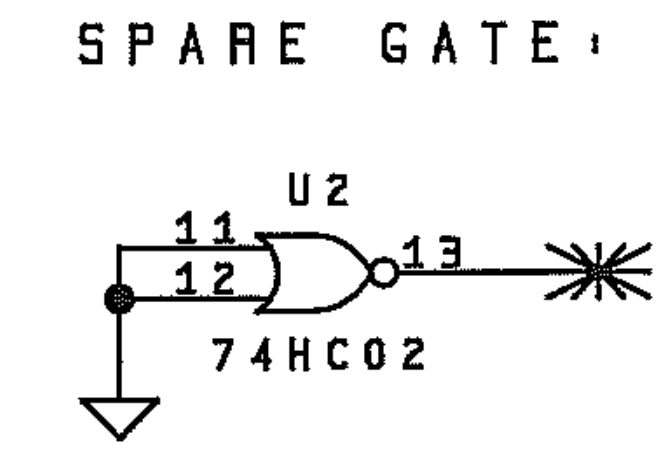
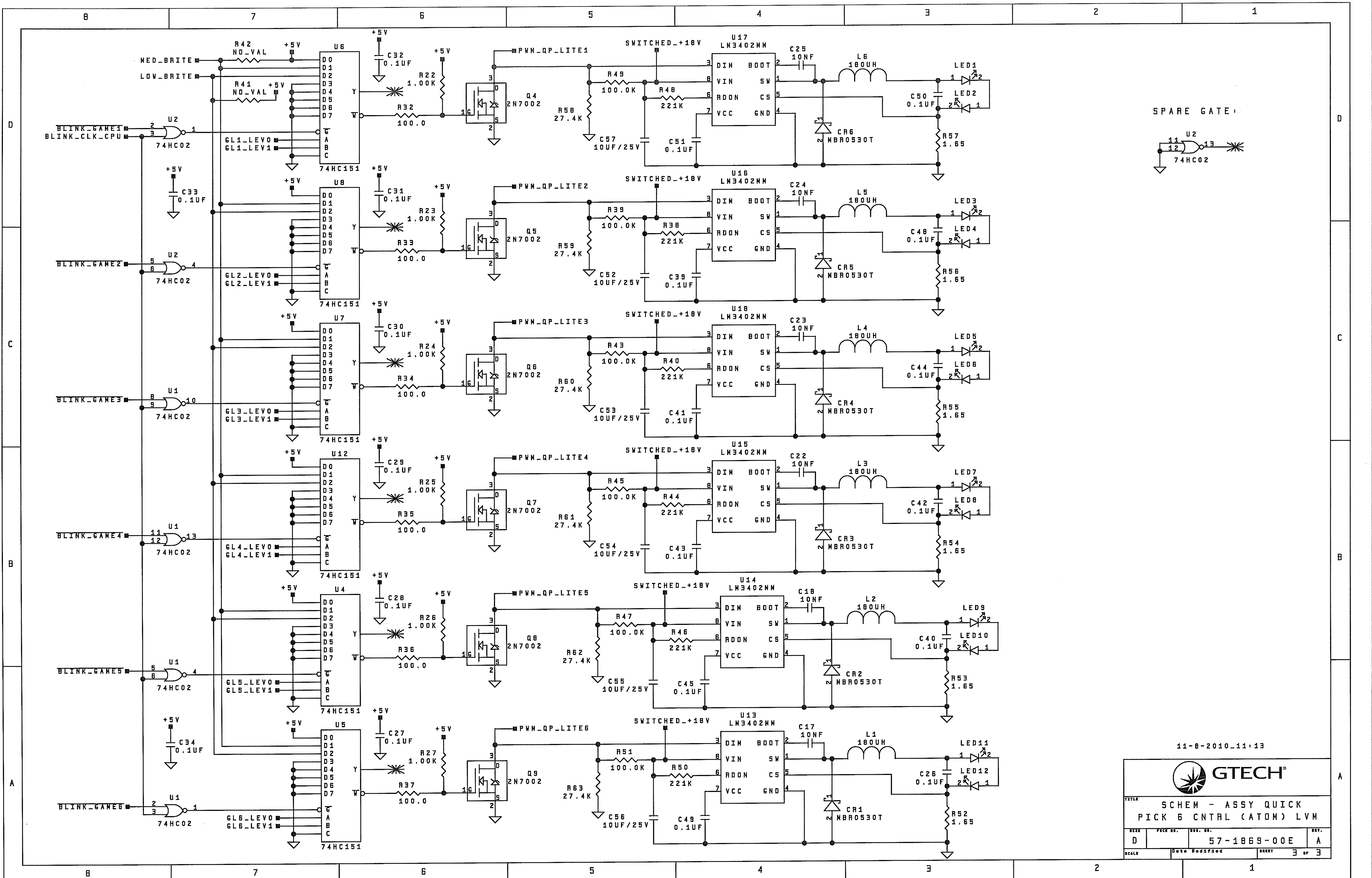




11-8-2010-11.13



SCHEM - ASSY QUICK
PICK 6 CNTRL (ATOM) LVM

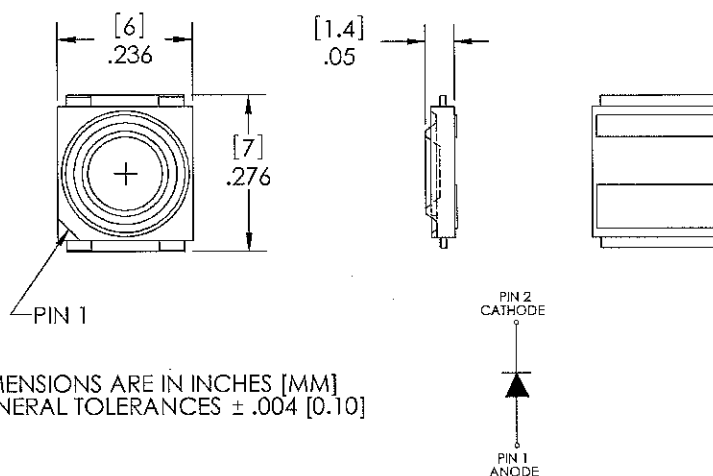
REV.	DATE	BY	CHKD
D	57-1869-00E	A	

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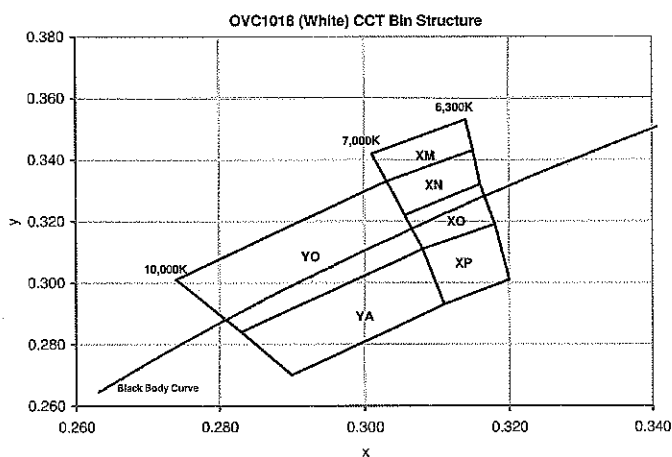
.5 Watt / CCT: YO-YA-XM-XN-XO-XP bins only (10,000K - 6,300K)



Part Number	Viewing Angle	Emitted Color	Typical Luminous Flux (lm)	Lens Color
OVC1018	120°	White	35	Water Clear



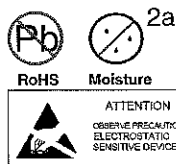
DIMENSIONS ARE IN INCHES [MM]
GENERAL TOLERANCES $\pm .004$ [0.10]



Φ	Luminous Flux (lm)	
Bin	Min	Max
P2	23.5	26.8
P3	26.8	30.5
Q2	30.5	34.8
Q3	34.8	39.8

Chromaticity Coordinates (x, y)

Rank	YO				YA											
Cx	0.274	0.303	0.308	0.283	0.283	0.308	0.311	0.290								
Cy	0.301	0.333	0.311	0.284	0.284	0.311	0.293	0.270								
Rank	XM				XN				XO				XP			
Cx	0.301	0.314	0.315	0.303	0.303	0.315	0.316	0.305	0.305	0.316	0.318	0.308	0.308	0.318	0.320	0.311
Cy	0.342	0.353	0.343	0.333	0.333	0.343	0.332	0.322	0.322	0.332	0.319	0.311	0.311	0.319	0.301	0.293



DO NOT LOOK DIRECTLY
AT LED WITH UNSHIELDED
EYES OR DAMAGE TO
RETINA MAY OCCUR.

OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

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.5 Watt / CCT: YO-YA-XM-XN-XO-XP bins only (10,000K - 6,300K)



Absolute Maximum Ratings $T_A = 25^\circ\text{C}$

DC Forward Current	180mA
Peak Pulsed Forward Current ¹	500mA
Reverse Voltage	5V
Junction Temperature ²	125°C
Power Dissipation	700mW
Storage & Operating Temperature	-40° ~ +100°C
Electrostatic Discharge Classification (JEDEC-JESD22-A114F & MIL-STD-883E)	Class 2
Moisture Sensitivity Level (IPC/JEDEC J-STD-020C)	2a / 672 Hrs

Notes:

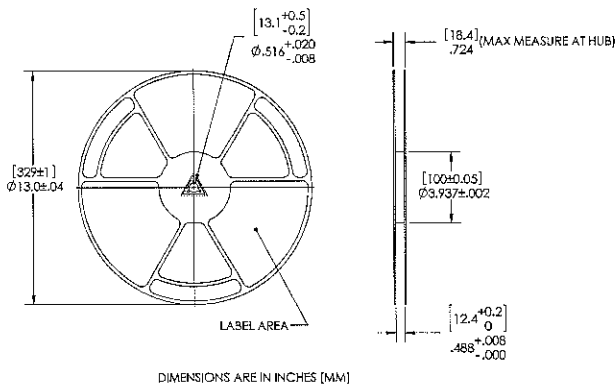
1. Pulse width $t_p \leq 10\mu\text{s}$, Duty cycle = 0.1
2. Thermal conductivity = 18K/W for white

Optical and Electrical Characteristics—White ($I_F = 150\text{ mA}$, $T_A = 25^\circ\text{C}$)

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS
V_F	Forward Voltage	3.0	3.2	4.1	V
Φ	Luminous Flux	23.5	34.8	39.8	lm
I_R	Reverse Current at 5V	----	10	----	μA
$2\theta_{1/2}$	50% Power Angle	----	120	----	deg

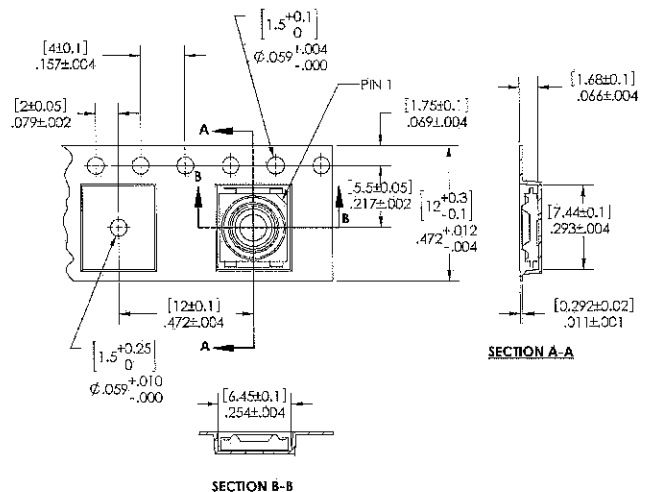
Reel Dimensions: 13 -inch reel

REEL DIMENSIONS (ϕ 13 INCH [329])

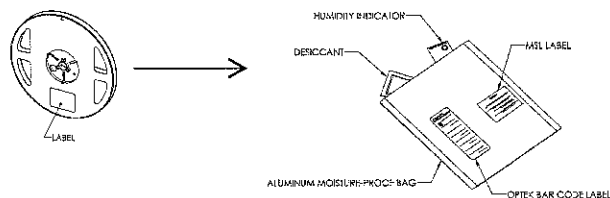


Carrier Tape Dimensions:

Loaded quantity 2000 pieces per reel



Moisture Resistant Packaging



OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.