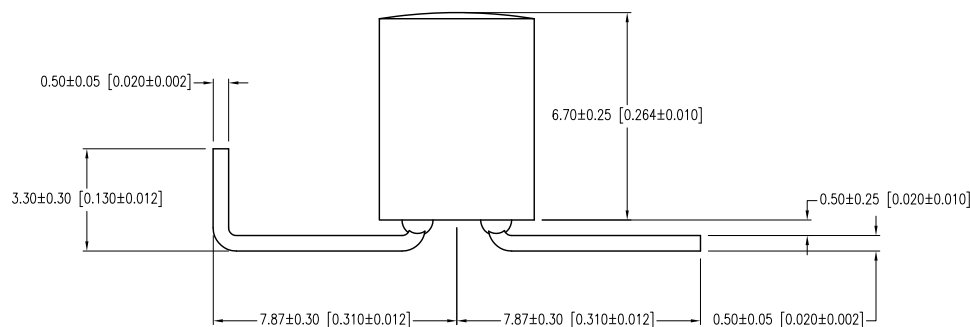
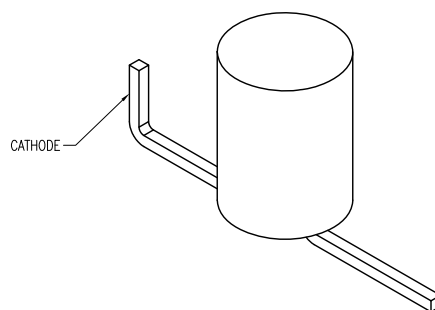
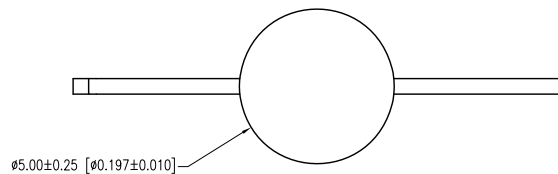
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $V_f=14\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590			
FORWARD CURRENT		7.35	9.45	mA	$V_r=5\text{V}$
REVERSE VOLTAGE			10	μV	$V_f=14\text{V}$
AXIAL INTENSITY	110		220	mcd	$V_f=14\text{V}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	YELLOW				
LENS FINISH:	YELLOW TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	16	mA
STEADY CURRENT	8.5	mA
POWER DISSIPATION	160	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC.

* $t < 10\mu\text{s}$

NOTES:

- CUSTOMER PART NUMBER #28-7805.
- BIN C 110-220mcd.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$

UNCONTROLLED DOCUMENT



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T-5mm (T-1 3/4) 590nm YELLOW LED, YELLOW TRANSPARENT LENS, LOW CURRENT.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	11.11.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		(P)