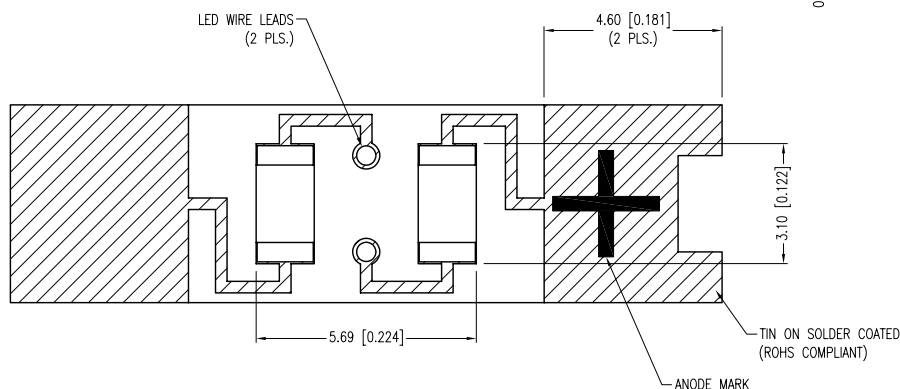
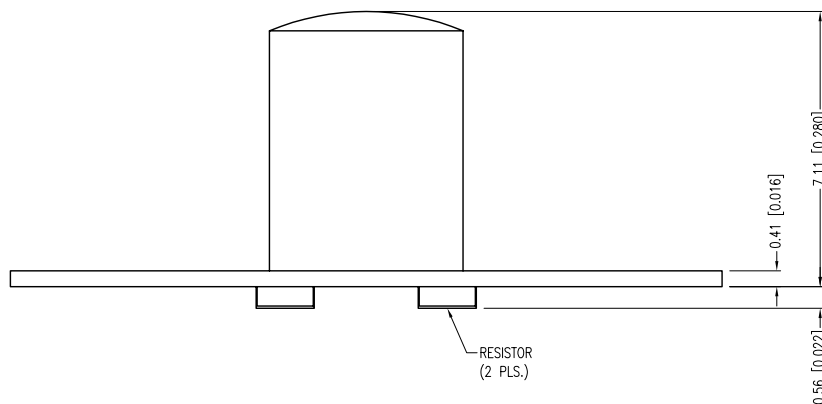
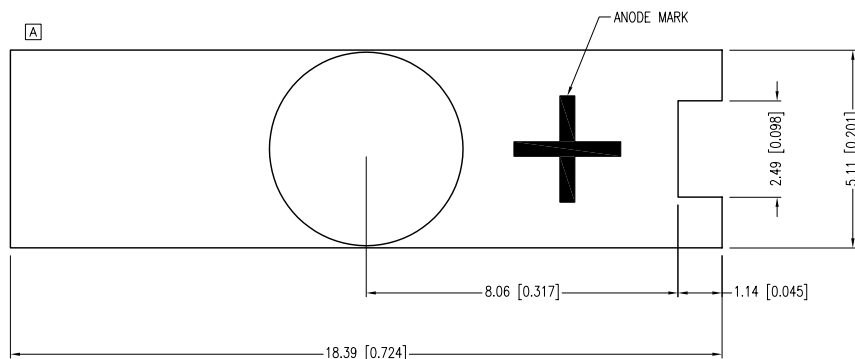


PART NUMBER	SSA-PCB507RT3SY14	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.28.11	E.C.N. #11765.		A



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $V_f=14\text{V}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		14	16	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		200		mcd	$V_f=14\text{V}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW TRANSPARENT				

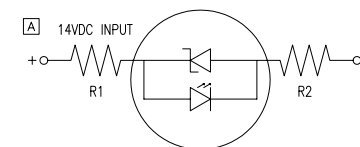
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	9~16	V
STEADY CURRENT	10.5	mA
POWER DISSIPATION	260	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

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

[A] NOTES:

- VOLTAGE TRANSIENT REQUIREMENTS:
MUST PASS SAE J1455 (AUG 1994)-
LOAD DUMP TABLE 4A, INDUCTIVE SWITCHING TABLE 4A
- DESCRIPTION: T 1-3/4 (5mm) LED WITH INTERNAL ZENOR DIODE AND EXTERNAL RESISTOR FOR REVERSE VOLTAGE AND INDUCTIVE VOLTAGE.
- R1 AND R2 RESISTORS ARE ROHM P/N MCR18EZPJ362 (DO NOT USE OTHER SUPPLIER EQUIVALENTS). RESISTANCE=3.6K Ω , 1206 SMD.
- ZENOR DIODE VALUE=3.9VDC.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



*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= $\begin{matrix} \text{DECIMAL} \\ -0.00 \end{matrix}$ PRECISION MAX= $\begin{matrix} \text{DECIMAL} \\ +0.00 \end{matrix}$ PRECISION

UNCONTROLLED DOCUMENT



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CUSTOM LED ASSEMBLY.

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

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DATE:	10.28.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		Ⓟ