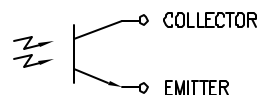
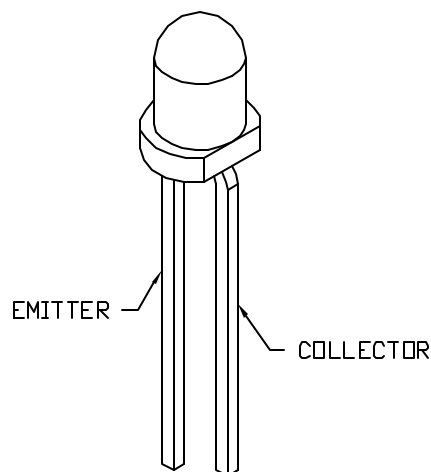
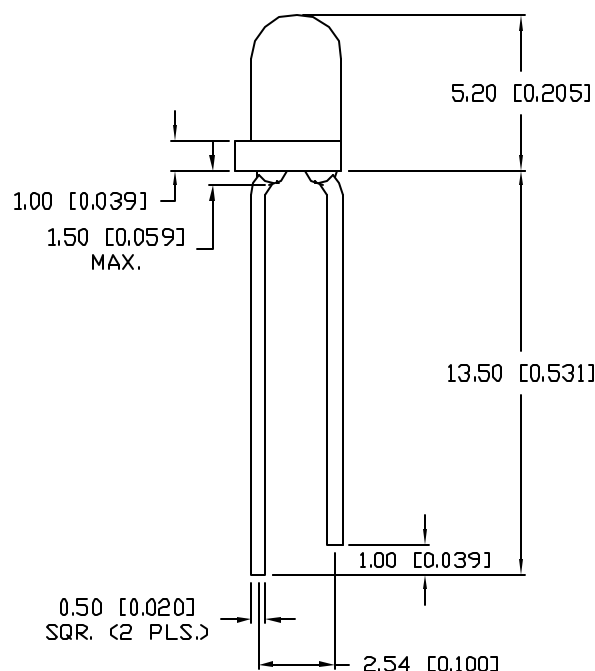
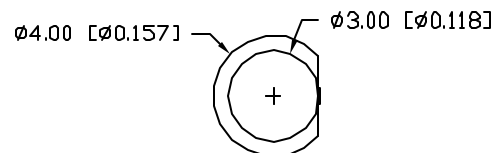


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PART NUMBER
OED-ST3052C30REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10428.	5.28.98
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY	400	860	1200	nm	
C/E BREAKDOWN VOLTAGE	30			V	$I_c = 100\mu\text{A}$ $E_e = 0.0\text{ mW/cm}^2$
E/C BREAKDOWN VOLTAGE	5			V	$I_c = 100\mu\text{A}$ $E_e = 0.0\text{ mW/cm}^2$
C/E SATURATION VOLTAGE			0.4	V	$I_c = 2\text{ mA}$ $E_e = 20\text{ mW/cm}^2$
COLLECTOR DARK CURRENT			100	nA	$V_{ce} = 10\text{ V}$ $E_e = 0.0\text{ mW/cm}^2$
COLLECTOR ON CURRENT	0.7	2.0		mA	$V_{ce} = 5\text{ V}$ $E_e = 1.0\text{ mW/cm}^2$
SWITCHING TIME		15		μS	$I_c = 1\text{ mA}$ $V_{ce} = 5\text{ V}, R_I = 1000\Omega$
EPOXY FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
4.0mm FROM BODY	5 SEC. MAX	

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

REV.
BPART NUMBER
OED-ST3052C303mm PHOTO TRANSISTOR,
WATER CLEAR LENS.

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 12.22.97 PAGE: 1 OF 1 SCALE: N/A
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