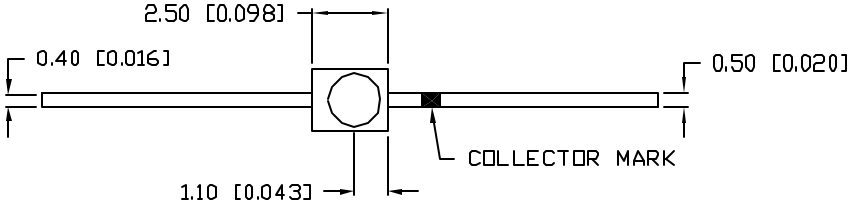
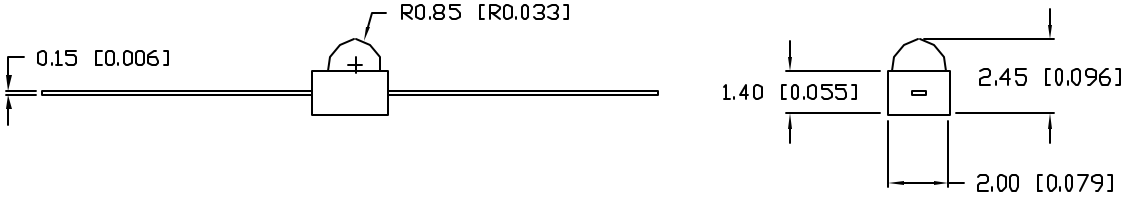
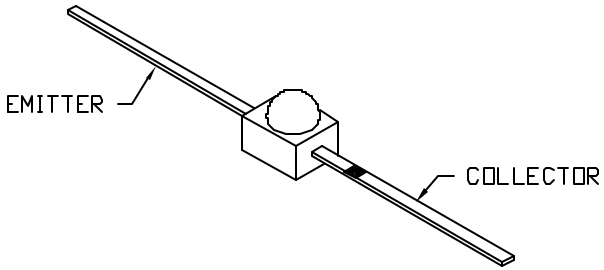
UNCONTROLLED DOCUMENT

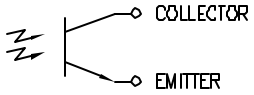
PART NUMBER	REV.
OED-STA224C40	A

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









ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
SPECTRAL SENSITIVITY		900		nm	
C/E BREAKDOWN VOLTAGE	30			V	Ic=100μA Ee= 0.0 mW/cm²
E/C BREAKDOWN VOLTAGE	5.0			V	Ic=100μA Ee= 0.0 mW/cm²
C/E SATURATION VOLTAGE			0.5	V	Ic= 2 mA Ee= 20 mW/cm²
COLLECTOR DARK CURRENT			100	nA	Vce=10V Ee= 0.0 mW/cm²
COLLECTOR ON CURRENT	4.0	8.0		mA	Vce= 5 V Ee= 1.0 mW/cm²
SWITCHING TIME		15		μS	Ic=1mA Vce= 5 V, Rl=1000Ω

EPOXY FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	5.0	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +80	°C
SOLDERING TEMP.	+230	°C
2.0mm FROM BODY		3 SEC. MAX

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*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=$^{\pm\text{DECIMAL PRECISION}}_{-0.00}$ MAX.=$^{+0.00}_{-\text{DECIMAL PRECISION}}$

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AXIAL LEADED PHOTO TRANSISTOR.

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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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