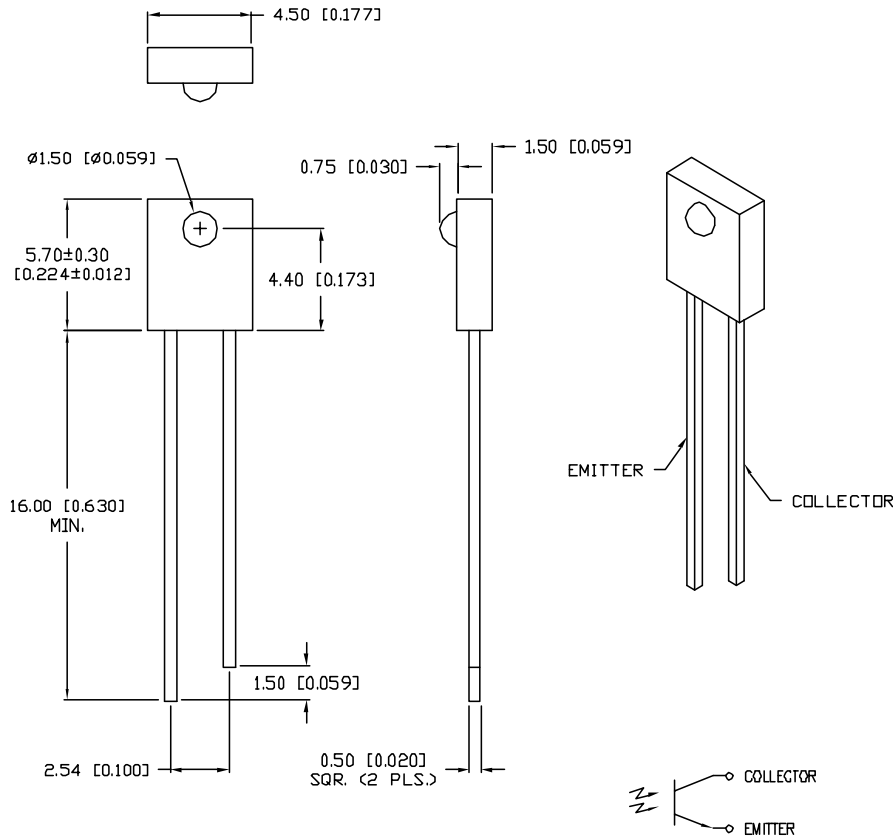


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-ST-1556SN		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10330.	4.11.97
B	E.C.N. #10BRDR.	12.22.97
C	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		900		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	5.0			V	$I_c=100\mu\text{A}$ $E_e=0.0\text{ mW/cm}^2$
C/E SATURATION VOLTAGE			0.5	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		6.0		mA	$V_{ce}=5\text{ V}$ $E_e=1.0\text{ mW/cm}^2$
SWITCHING TIME		15		μS	$I_c=1\text{mA}$ $V_{ce}=5\text{V}, R_l=1000\Omega$

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.	-20 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 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}_{-0.000}, MAX.=^{+0.00}_{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
C	OED-ST-1556SN
T-1.5mm RIGHT ANGLE DOME LENS, PHOTOTRANSISTOR, 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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			SCALE: N/A