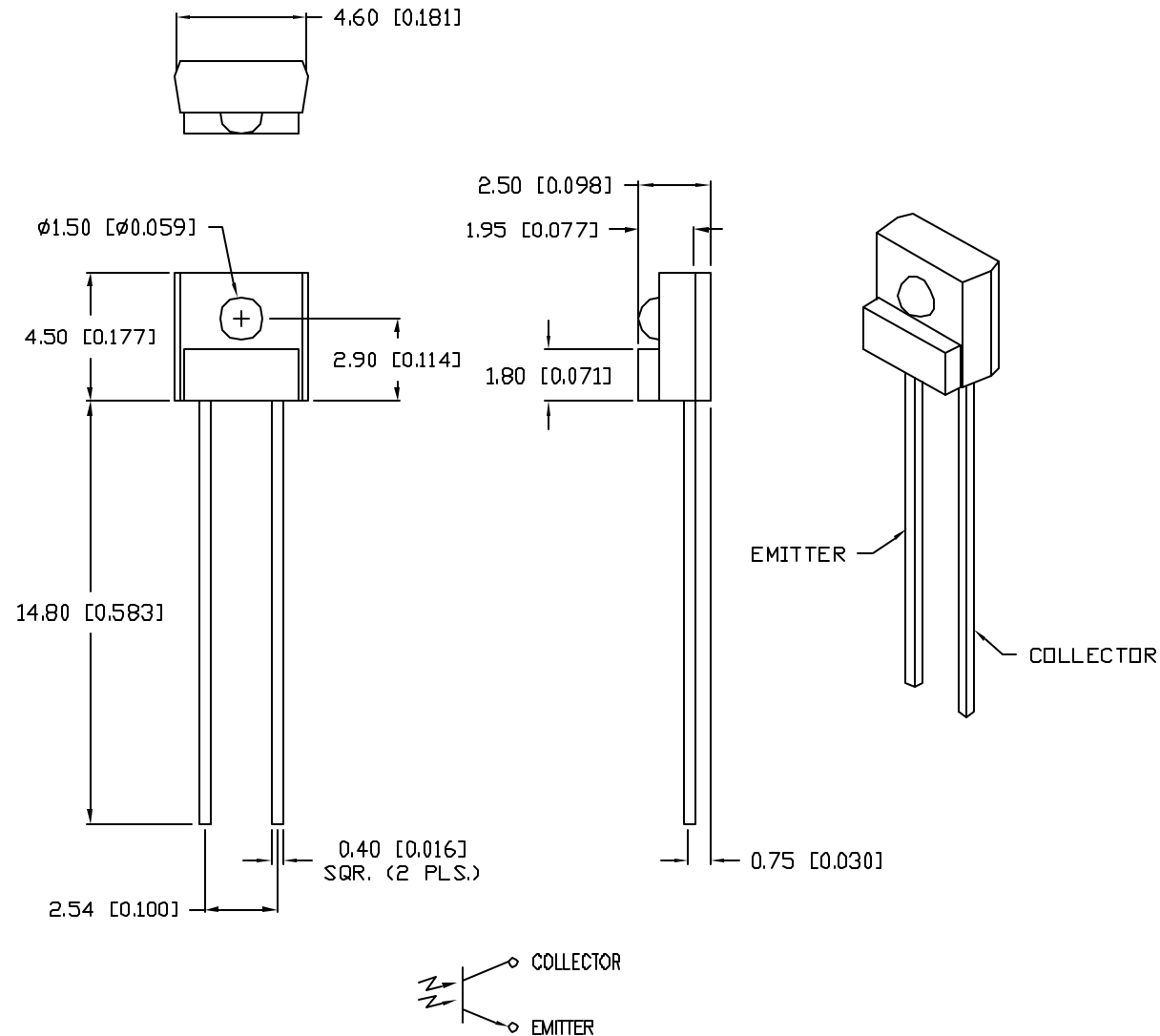


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-STRD1555C40-5R		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.30.03

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

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	$I_C = 1 \text{ mA}$ $E_e = 20 \text{ mW/cm}^2$ $V_{CE} = 20 \text{ V}$
COLLECTOR DARK CURRENT			100	nA	$E_e = 0.0 \text{ mW/cm}^2$ $V_{CE} = 5 \text{ V}$
COLLECTOR ON CURRENT	0.5		3.5	mA	$E_e = 0.5 \text{ mW/cm}^2$ $I_C = 1 \text{ mA}$ $V_{CE} = 5 \text{ V}, R_I = 1000 \Omega$
SWITCHING TIME		15		μS	
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
COLLECTOR CURRENT	20	mA
POWER DISSIPATION	75	mW
OPERATING TEMP.	-25 TO +75	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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*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.

A

PART NUMBER

OED-STRD1555C40-5R

SIDE EMITTING, DOMED PHOTO TRANSISTOR,
REVERSE POLARITY, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A