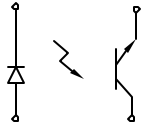
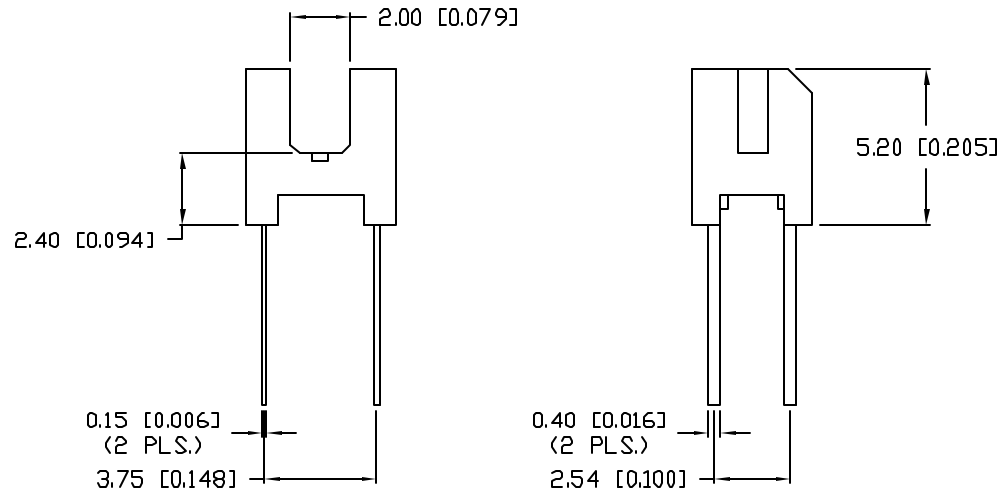
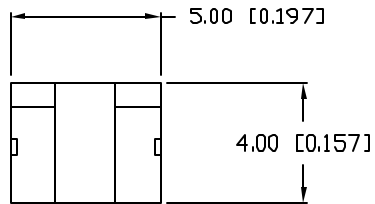


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TOP VIEW POLARITY



PART NUMBER  
OED-SI2034

REV.

ELECTRO-OPTICAL CHARACTERISTICS T = 25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
<b>INPUT:</b>						
FORWARD VOLTAGE	V <sub>f</sub>		1.2	1.4	V	I <sub>f</sub> = 30 mA
REVERSE CURRENT	I <sub>r</sub>			10	μA	V <sub>r</sub> = 5V
<b>OUTPUT:</b>						
COLLECTOR DARK CURRENT	I <sub>ceo</sub>			0.1	μA	V <sub>ce</sub> = 10V I <sub>f</sub> = 20 mA
COLLECTOR LIGHT CURRENT	I <sub>L</sub>	0.25		1.2	mA	V <sub>ce</sub> = 5V I <sub>f</sub> = 20 mA
C/E SATURATION VOLTAGE	V <sub>cc(sat)</sub>			0.4	V	I <sub>f</sub> = 30 mA I <sub>c</sub> = 0.1 mA
<b>SWITCHING SPEEDS:</b>						
RIISING TIME	T <sub>r</sub>		50		μS	V <sub>cc</sub> = 5V I <sub>c</sub> = 2 mA
FALLING TIME	T <sub>f</sub>		50		μS	R <sub>L</sub> = 100 Ω

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
<b>INPUT:</b>			
REVERSE VOLTAGE	V <sub>r</sub>	5	V
POWER DISSIPATION	P <sub>d</sub>	75	mW
FORWARD CURRENT	I <sub>f</sub>	50	mA
<b>OUTPUT:</b>			
COLLECTOR POWER DISSIPATION	P <sub>c</sub>	75	mW
COLLECTOR CURRENT	I <sub>c</sub>	20	mA
C-E VOLTAGE	V <sub>ceo</sub>	30	V
E-C VOLTAGE	V <sub>eco</sub>	5	V
OPERATING TEMP.	T <sub>opr.</sub>	- 20 TO + 85	°C
STORAGE TEMP.	T <sub>stg.</sub>	- 30 TO + 85	°C
SOLDERING TEMP.	T <sub>sol.</sub>	+ 240	°C
2.0mm FROM BODY	dist.		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

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PHOTO INTERRUPTER.

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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