



REV. A	E.C.N. #10BRDR. & REDRAWN IN 3D.	DATE	5.16.02
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ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{ mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
FORWARD VOLTAGE		1.2	1.5	V	$I_f=30\text{ mA}$
REVERSE VOLTAGE		5.0		V	$I_c=10\text{ }\mu\text{A}$
DARK CURRENT			100	nA	$V_{ce}=10\text{ V}$
C/E SATURATION VOLTAGE			0.4	V	$I_c=0.5\text{ mA}$
COLLECTOR ON CURRENT	2.0			mA	$V_{ce}=5\text{ V}$
SWITCHING TIME		5		$\mu\text{S}$	$I_c=100\text{ }\mu\text{A}$ $V_{ce}=5\text{ V}, R_L=100\text{ }\Omega$

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	60	mA
REVERSE VOLTAGE	6	V
C/E BREAKDOWN VOLTAGE	30	V
E/C BREAKDOWN VOLTAGE	3	V
POWER DISSIPATION	75	mW
OPERATING TEMP.	-20 TO +80	$^{\circ}\text{C}$
STORAGE TEMP.	-25 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.	+250	$^{\circ}\text{C}$
		5 SEC. MAX
		2.0mm FROM BODY

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 ( $\pm 0.039$ ), XX=#1.05 ( $\pm 0.020$ ), XXX=#0.25 ( $\pm 0.010$ ), XXXX=#0.127 ( $\pm 0.005$ ), LEAD SIZE=#0.05 ( $\pm 0.002$ ), LEAD LENGTH=#0.75 ( $\pm 0.030$ ), MIN = -0.00

REV. A  
PART NUMBER  
OED-S13272

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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