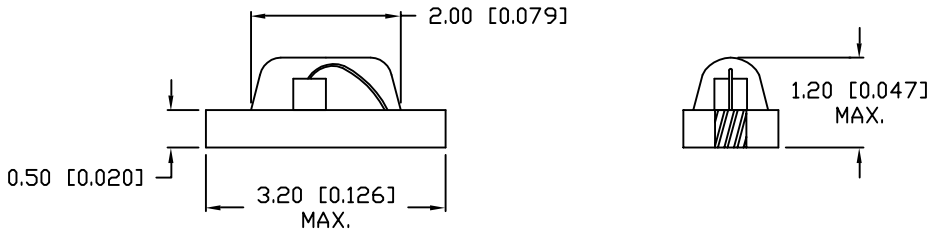
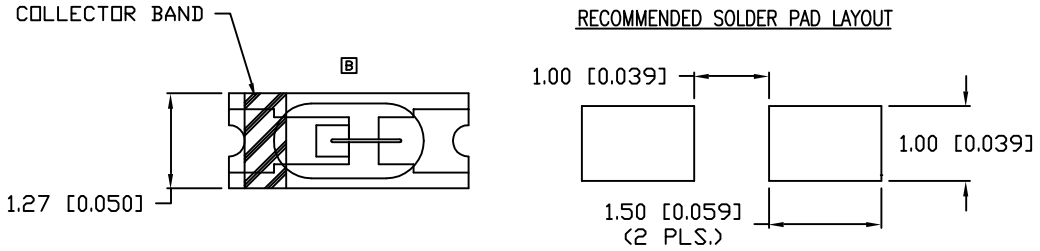
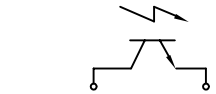
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
OED-ST-44F	D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	1.5.95
B	E.C.N. #10434.	6.3.98
C	E.C.N. #10936. & #10BRDR	12.11.02
D	E.C.N. #E11062	12.3.03





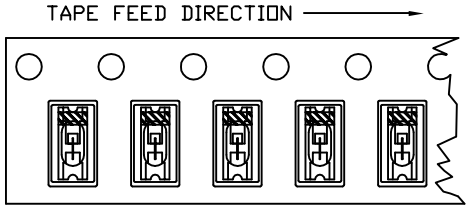


ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

	PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
D	COLLECTOR DARK CURRENT			400	nA	Vce = 10V Ee = 0 mw/cm^2
	COLLECTOR LIGHT CURRENT		3.0		mA	Vce = 5V Ev=1000LUX
	COLLECTOR-EMITTER SATURATION VOLTAGE			0.3	V	Ic=1mA Ev=1000LUX
D C	SWITCHING SPEEDS:					V_{ce}=5V
	RISING TIME		10		uS	Ic=1mA
	FALLING TIME		10		uS	Rl = 1000 Ω
	PEAK WAVELENGTH SENSITIVITY		850		nm	
	LENS COLOR: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITER VOLTAGE (Vceo)	70	V
EMITTER-COLLECTOR VOLTAGE (Vceo)	5	mA
COLLECTOR CURRENT	100	mA
POWER DISSIPATION	200	mW
OPERTAING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-25 TO +120	°C



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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= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
D	OED-ST-44F

CERAMIC CHIP, SURFACE MOUNT PHOTOTRANSISTOR, WATER CLEAR LENS, TAPE AND REEL.

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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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C A

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CT			PAGE: 1 OF 1
			SCALE: N/A