



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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UNCONTROLLED DOCUMENT

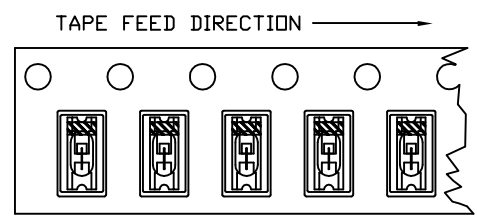
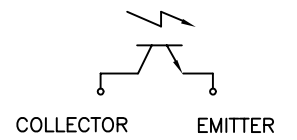
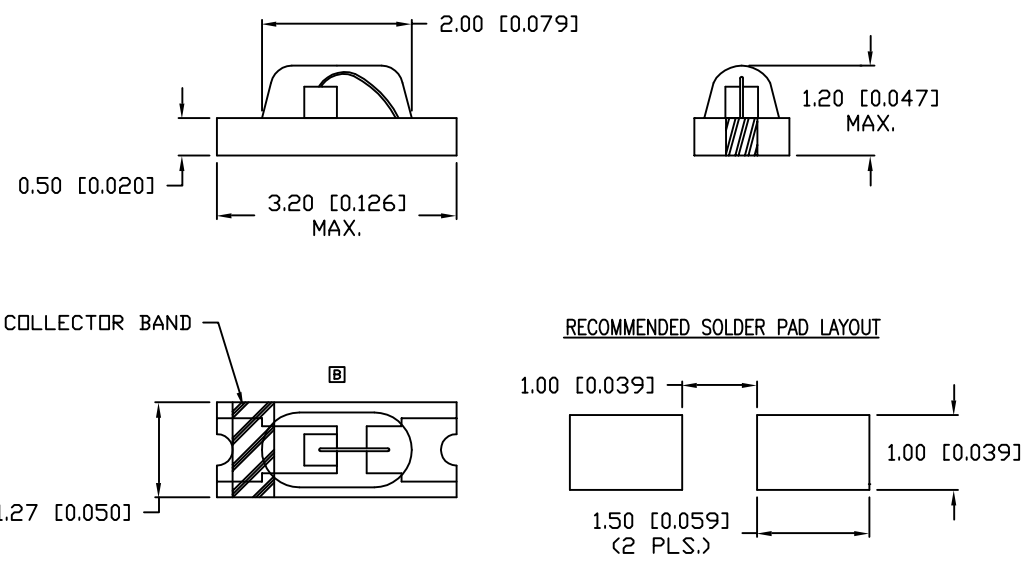
PART NUMBER		REV.
OED-ST-44F		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	1.5.95
B	E.C.N. #10434.	6.3.98
C	E.C.N. #10936. & #10BRDR	12.11.02
D	E.C.N. #E11062	12.3.03

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
COLLECTOR DARK CURRENT			400	nA	$V_{ce} = 10\text{V}$ $E_e = 0 \text{ mw/cm}^2$
COLLECTOR LIGHT CURRENT		3.0		mA	$V_{ce} = 5\text{V}$ $E_v=1000\text{LUX}$
COLLECTOR-EMITTER SATURATION VOLTAGE			0.3	V	$I_c=1\text{mA}$ $E_v=1000\text{LUX}$
SWITCHING SPEEDS:					$V_{ce}=5\text{V}$
	RISING TIME		10	μS	$I_c=1\text{mA}$
FALLING TIME		10		μS	$R_I = 1000 \Omega$
PEAK WAVELENGTH SENSITIVITY		850		nm	
LENS COLOR: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
COLLECTOR-EMITTER VOLTAGE (V_{ce0})	70	V
EMITTER-COLLECTOR VOLTAGE (V_{ce0})	5	mA
COLLECTOR CURRENT	100	mA
POWER DISSIPATION	200	mW
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-25 TO +120	°C



*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= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX= $\frac{+0.00}{-DECIMAL PRECISION}$

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D	OED-ST-44F

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

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
CT			12.11.02
			PAGE: 1 OF 1
			SCALE: N/A