

UNCONTROLLED DOCUMENT

PART NUMBER

OED-CL509F3B25

REV.

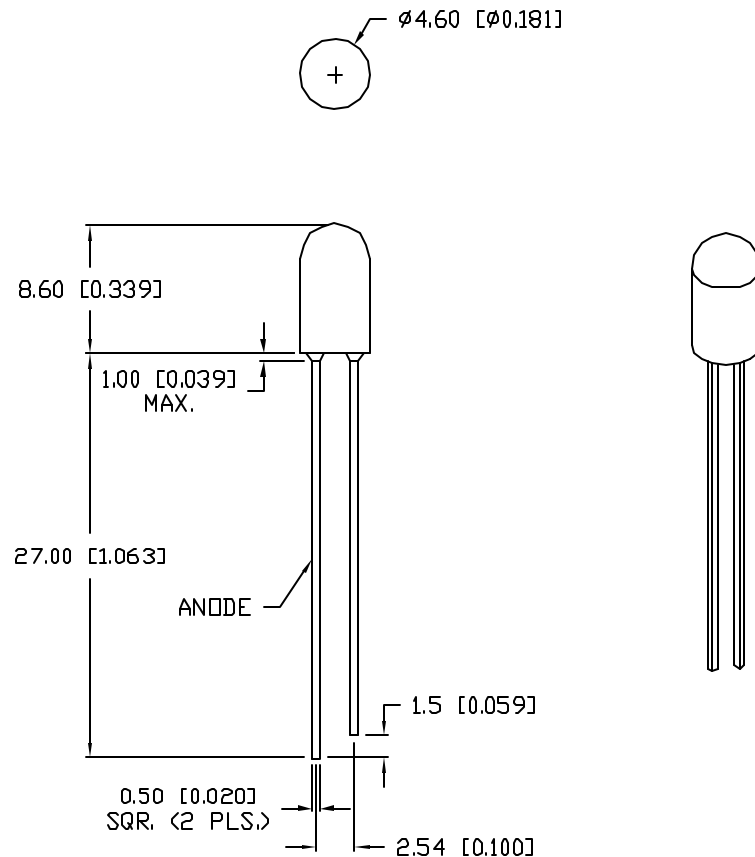
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REV.	E.C.N. NUMBER AND REVISION COMMENTS
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DATE _____

A	E.C.N. #11148.
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5.16.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		875		nm	
SPECTRAL BANDWIDTH		80		nm	
FORWARD VOLTAGE		1.3	1.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =10μA
RADIANT INTENSITY	4	11		mW/str	I _f =20mA
HALF ANGLE		25		2X theta	
EPOXY LENS FINISH:	BLUE TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1.0	A
STEADY CURRENT	50	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO + 85	°C
SOLDERING TEMP.	+ 260	°C
2.0mm FROM BODY		3 SEC. MAX

* $t_p < 100 \mu s$, $t_p/T = 0.01$

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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.= $\frac{+0.00}{-0.00}$ PRECISION MAX.= $\frac{+0.00}{-0.00}$ PRECISION

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T-5mm (T-1 3/4) FLANGELESS 875nm INFRARED LED,
BLUE TRANSPARENT 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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JC

PAGE: 1 OF 1

SCALE: N/A