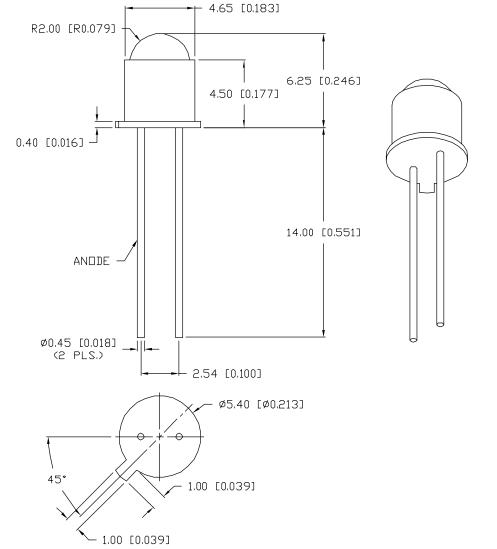
UNCONTROLLED DOCUMENT



PART NUMBER OFD-FI-1KI3

E.C.N. NUMBER AND REVISION COMMENTS DATE E.C.N. #10BRDR. 1.7.98 Α E.C.N. #10657. 9.27.00 E.C.N. #10BRDR & REDRAWN IN 3D. 12.31.02

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C I f=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
SPECTRAL BANDWIDTH		50		nm	
FORWARD VOLTAGE		1.35	1.7	Vf	
REVERSE VOLTAGE	5.0			٧r	I _r =10µA
RADIANT INTENSITY		15		mW/SR	$I_f = 0.0 \text{mA}$
HALF ANGLE		± 8		degrees	
EPOXY LENS FINISH:	WATER	CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	А
STEADY CURRENT	100	mA
POWER DISSIPATION	200	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +100	•C
STORAGE TEMP.	- 55 TO + 125	•C
SOLDERING TEMP.	+ 260	°C
2.0mm FROM BODY		3 SEC. MAX

* tp<??µS, tp/T=??

*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 MAX.= +0.00 -

REV. PART NUMBER OED-EL-1KL3

> TO-18, 940nm INFRARED EMITTING DIODE, WATER CLEAR LENS.

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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.



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790

US WEB: www.lumex.com TW WEB: www.lumex.com.tw

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5.5.94 PAGE: 1 OF 1 SCALE: N/A

AC