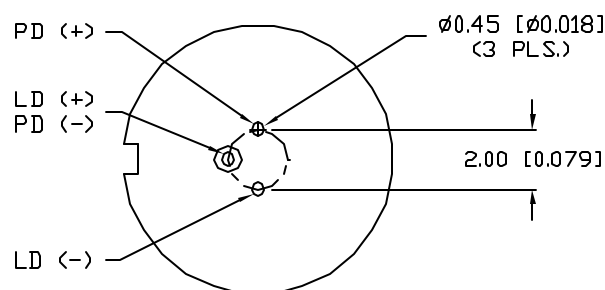
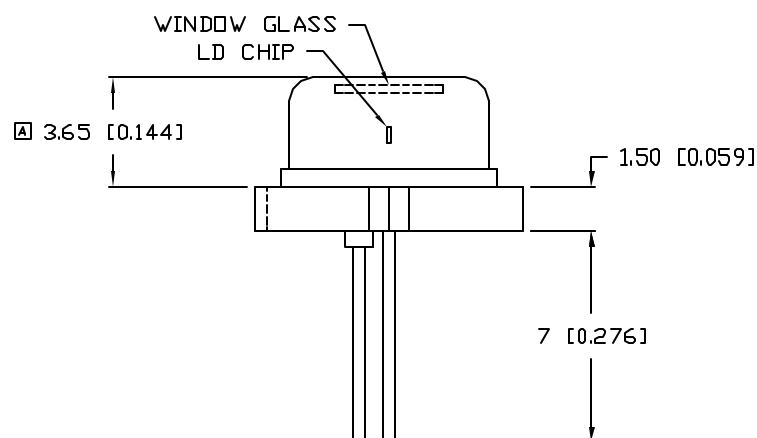
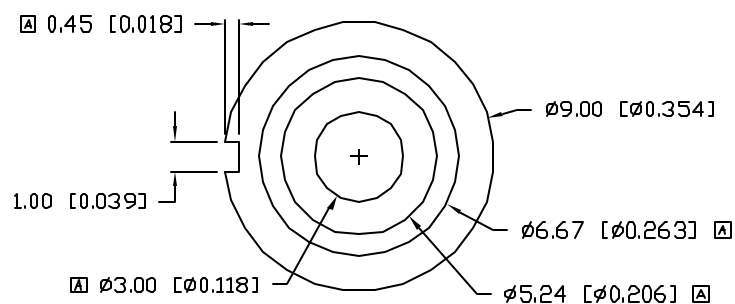


UNCONTROLLED DOCUMENT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +0.00 PRECISION -0.00 MAX.= +0.00 PRECISION -0.00

PART NUMBER
OED-LDH66003F

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10729.	4.13.01

DISCONTINUED

ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	650	658	665	Po=50mW	nm
THRESHOLD CURRENT	I _{th}		80	100	CW	mA
OPERATING CURRENT	I _{op}		140	160	Po=50mW	mA
OPERATING VOLTAGE	V _{op}		2.5	2.8	Po=50mW	V
SLOPE EFFICIENCY		0.6	0.9	1.2		W/A
MONITORING CURRENT	I _m	0.05	0.2	0.6	Po=50mW	mA
BEAM DIVERGENCE:	θ	5	7	10	Po=50mW,	deg.
	θ_L	15	22	30	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _a	55	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	15	V
OPERATING TEMP.	T _{op}	-10 TO +40	°C
STORAGE TEMP.	T _{stg}	-40 TO +80	°C

DISCONTINUED

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REV.
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PART NUMBER
OED-LDH66003F

660nm LASER DIODE, TO-5 PACKAGE,
SUPER POWER, 50mW OUTPUT.

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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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			SCALE: N/A