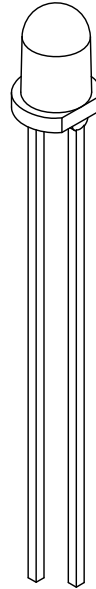
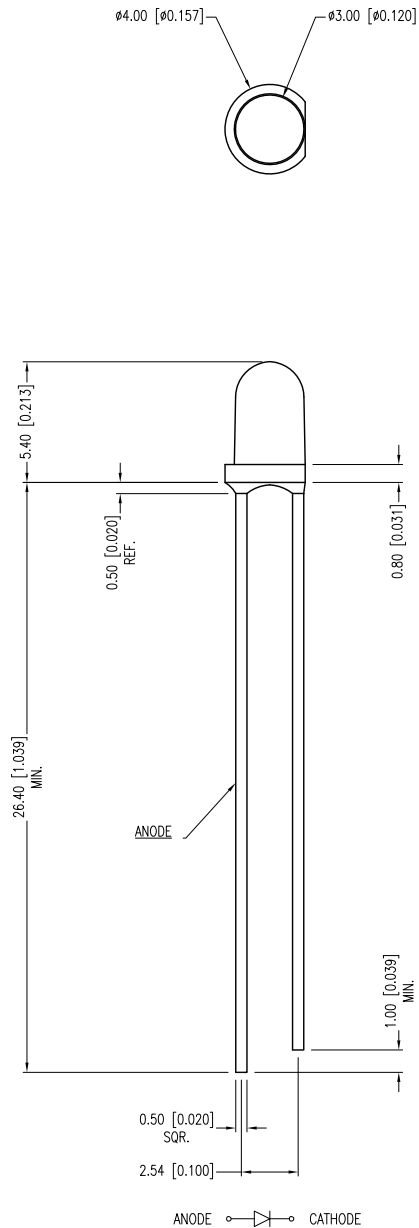


PART NUMBER	OED-SP-7L/A	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.15.13	E.C.N. #10BRDR. & REDRAWN.		A

A



ELECTRO-OPTICAL CHARACTERISTICS		Ta=25°C	If=20mA			
PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNITS
OPEN CIRCUIT VOLTAGE	Voc	Ee=0.5mw/cm ²		0.44		V
SHORT CIRCUIT CURRENT	Isc	Ee=0.5mw/cm ²		8.0		μA
DARK CURRENT	Id	Vr=10V Ee=0.0mw/cm ²			10	nA
TERMINAL CAPACITANCE	Ct	Vr=5V, F=1MHz		10		pF
RESPONSE TIME	Tr/Tf	Vr=10V, RL=100Ω		10/10		nS
SPECTRAL SENSITIVITY	lambda(0.5)			840~1100		nm
PEAK WAVELENGTH	lambda(p)			940		nm
VIEWING ANGLE	2xtheta(1/2)			±45		DEG
LENS COLOR:	BLACK					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* t<10μs

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.

PN JUNCTION SILICON

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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