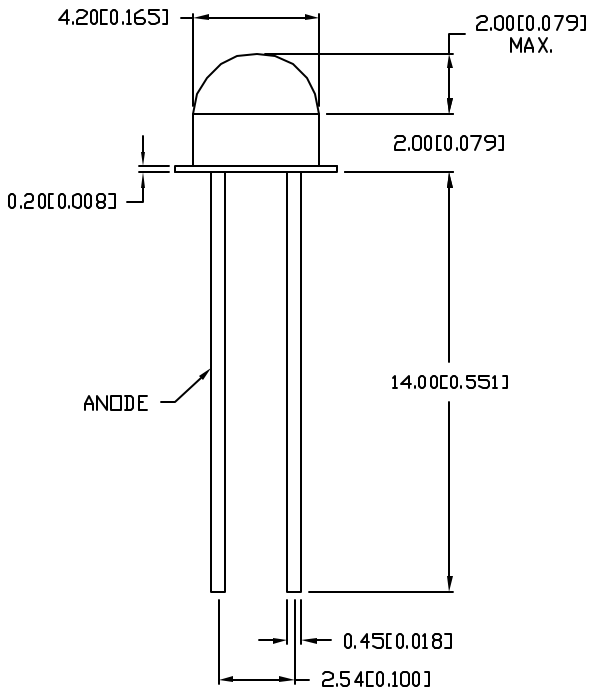
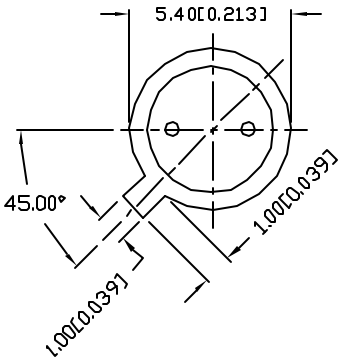
DATE	REVISIONS	REV

DRAWING NUMBER: OED-SP-1ML | REV:





ANODE ⟶| CATHODE

ELECTRO-OPTICAL CHARACTERISTICS T_A =25°C

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	Voc	Ee=0.5mw/cm²		0.40		V
SHORT CIRCUIT CURRENT	Isc	Ee=0.5mw/cm²		15		μA
DARK CURRENT	Id	Vr=10V			100	nA
		Ee=0.5mw/cm²				
TERMINAL CAPACITANCE	Ct	Vr=3V, F=1MHz		5		pF
RESPONSE TIME	Tr/Tf	Vr=10V,Rl=1000Ω		6/6		nS
SPECTRAL SENSITIVITY	λ			450~1050		nm
PEAK WAVELNGTH	λp			900		nm
HALF ANGLE	Δθ			±60		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	V
POWER DISSIPATION	20	mW
OPERATING TEMP.	-20 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

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DATE: 12-18-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

PHOTODIODE.

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