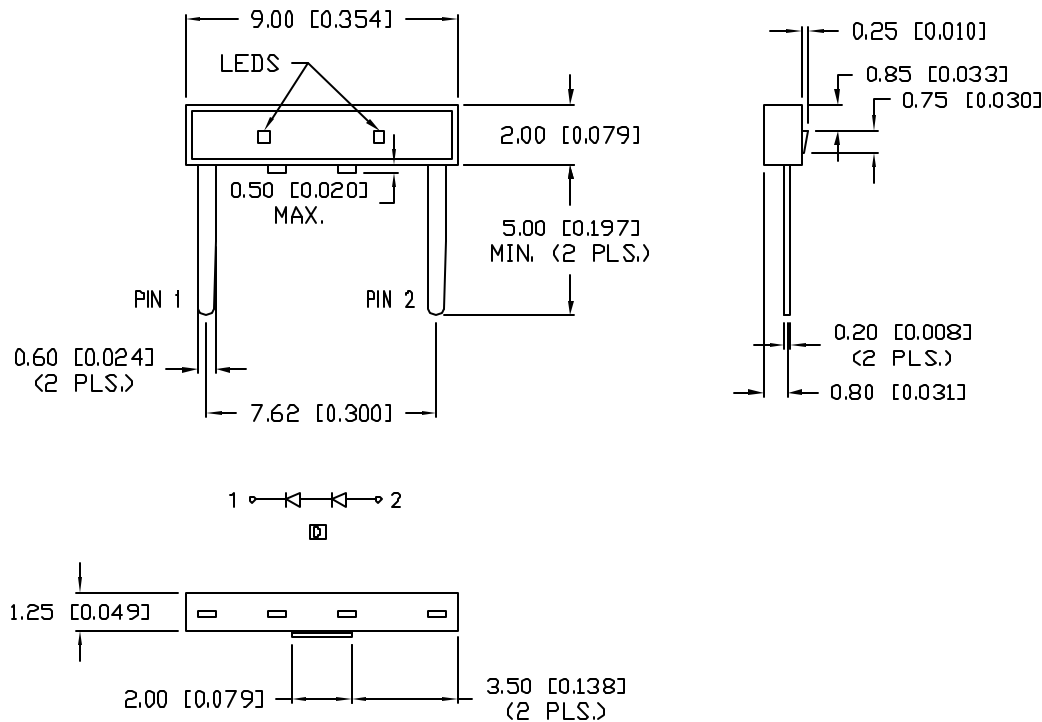


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REV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN, NEW MOLD./	2-18-93
B	UPDATED SPECS./	7-18-95
C	E.C.N. #10BRDR. & REDRAWN.	9-29-98
D	E.C.N. #10501./ CORRECTED POLARITY.	3-5-99



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		680 (RED)		nm	
FORWARD VOLTAGE		3.6	4.6	V <sub>f</sub>	
REVERSE VOLTAGE	2.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY		50		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-0.25	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-40 TO +80	°C
SOLDERING TEMP.	+240	°C
2.0mm FROM BODY		3 SEC. MAX

\* <10μs

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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2 CHIP LCD ILLUMINATOR, 660nm RED,  
RED TRANSPARENT LENS.

**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.

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 9-2-92
			PAGE: 1 OF 1
			SCALE: N/A