

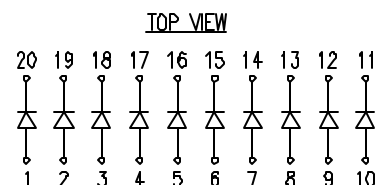
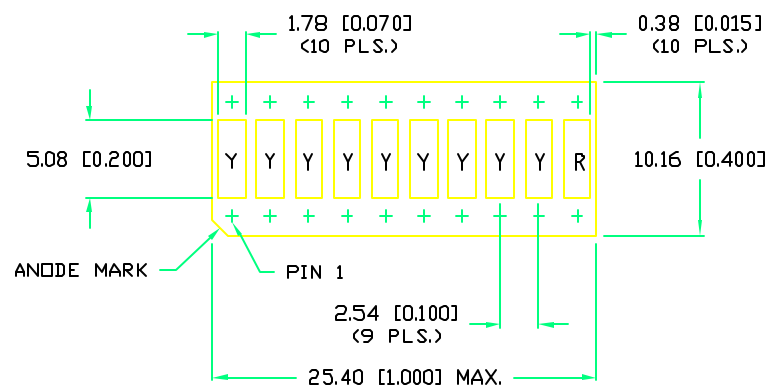
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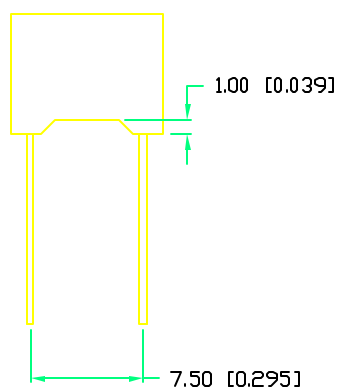
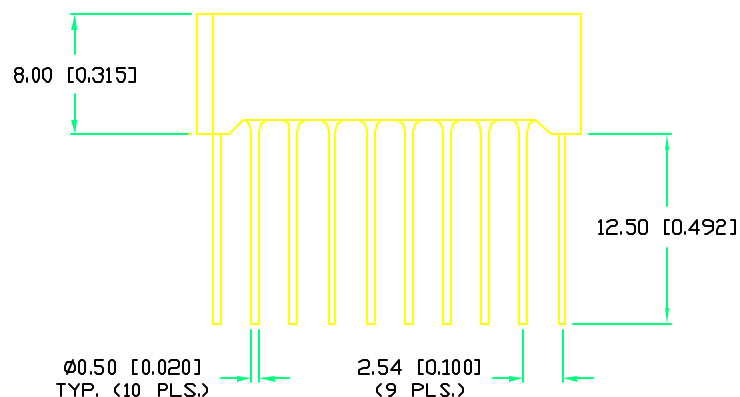
REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$				
PARAMETER	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	585	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	8	8	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	2x theta	
LED POSITION:	1~9	10		
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED			
FACE COLOR:	BLACK			



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

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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.

LUMEX
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PAGE: 1 OF 1

SCALE: N/A

10 SEGMENT BAR GRAPH, POS.1~9: 585nm YELLOW LED,
POS. 10: 635nm RED LED,
BLACK FACE WITH MILKY WHITE DIFFUSED EPOXY.

JD

Mouser Electronics

Authorized Distributor

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