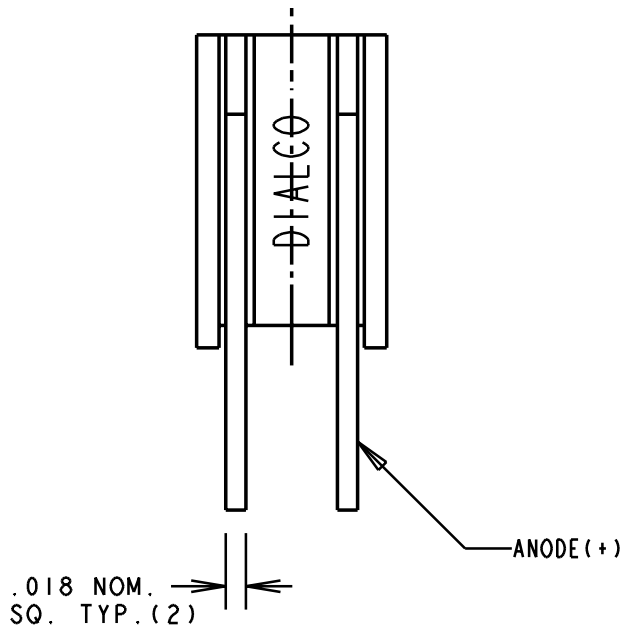
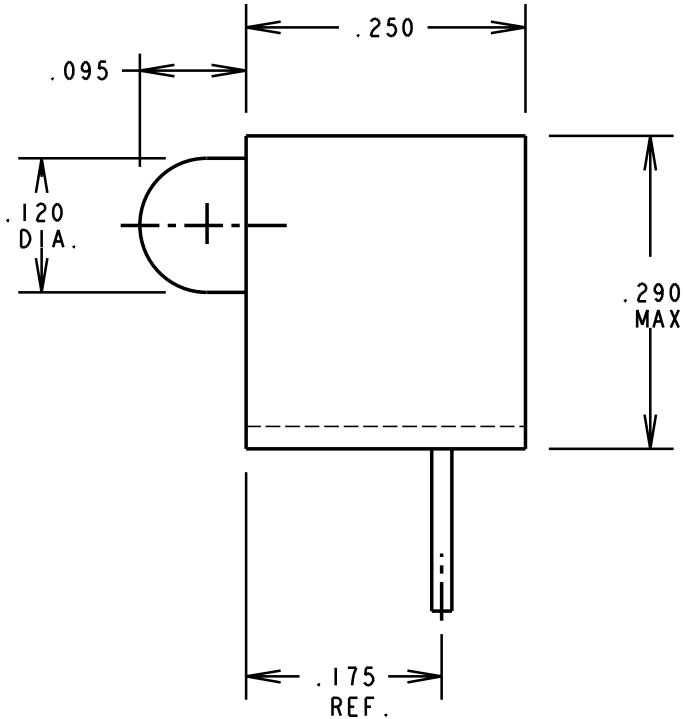
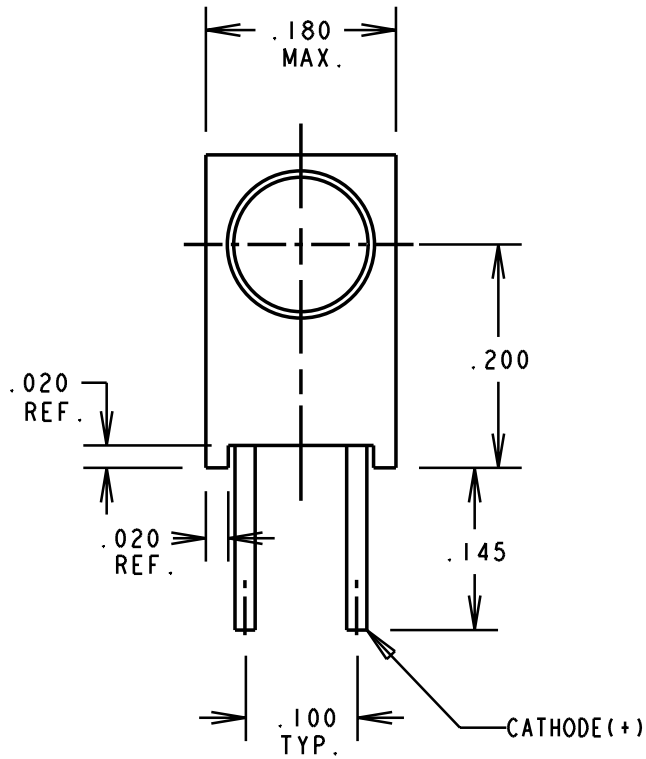


PART NUMBER	LED COLOR
551-0001-840	RED DIFF.
551-0001-841	YELLOW DIFF.
551-0001-842	GREEN DIFF.



REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	RED LED FORWARD DC CURRENT 30 mA WAS 25 mA, YELLOW LED PEAK WAVELENGTH 583 nm WAS 585 nm, LED LEAD THICKNESS .018 NOM. WAS .018 ±.002.	DC		---	---
B	—	RED 4.0 mcd was 2.0 & 8.5 WAS 2.5, YELLOW 6.0 mcd was 2.0 & 10.0 was 3.0, GREEN 4.0 mcd WAS 1.0 & 6.0 WAS 2.0	DC		M.C.	5-29-92
C	—	PEAK FWD CURRENT RED 120 AND 100 WAS 90 & 135;FWD VOLTAGE RED 2.0 & 2.8 WAS 2.2 & 3.0; LUMINOUS INTENSITY RED 7.4 & 10.0 WAS 4.0 & 8.5; ADD TEST CONDITION FOR RED & NOTE 1.	TC	AV	N.O.	11-17-98
D	—	FOR GREEN LED PEAK FWD CUR-RENT 120 WAS 90; POWER DISS. 100 WAS 135; OPERATING TEMP. -55 WAS -20;FWD VOLT 2.1 WAS 2.3, 2.8 WAS 3.0; LUM. INT. 4.7 WAS 4.0, 12.6 WAS 6.0.	TC	DC	N.O.	3-12-99
E	—	REVISED YELLOW LED SPECS.	TC			

NOTES:  
1. DIALIGHT PART NUMBER: 551-0001-840, -841, -842.

LED ELECTRO-OPTICAL CHARACTERISTICS

PARAMETER		RED	YELLOW	GREEN	UNITS	TEST COND.	SPECS	
PEAK FORWARD CURRENT (I <sub>MS</sub> , 1/5 DUTY)		120	80	120	mA	N / A	ABSOLUTE MAXIMUM RATINGS AT T <sub>A</sub> =25 °C	
POWER DISSIPATION		100	60	100	mW			
FORWARD DC CURRENT		30	20	30	mA			
OPERATING TEMPERATURE		-55 °C TO +100 °C		-55 °C TO +100 °C				°C
STORAGE TEMPERATURE		-55 °C TO +100 °C			°C			
LEAD SOLDERING TEMP. (1/16" FROM CASE)		260 °C FOR 5 SECONDS			°C			
FORWARD VOLTAGE	TYP	2.0 *	2.1	2.1 *	V	*I <sub>F</sub> =20 mA	OPERATING CHAR. AT T <sub>A</sub> =25 °C	
	MAX	2.8 *	2.8	2.8 *				
REVERSE BREAKDOWN VOLTAGE		5			V	I <sub>R</sub> =100 uA		
PEAK WAVELENGTH		635	585	565	nm	MEAS. AT PEAK		
LUMINOUS INTENSITY	MIN	7.4	7.4	4.7	mcd	⊙ RATED CURRENT		
	TYP	10.0	10.0	12.6				

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SCALE 6:1	DRAWING NUMBER	
ALL DIM'S IN: INCHES	C-15408	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	REV E	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	TITLE	
ANGLES: ±3°	MATERIAL	
FINISH:	Dialight	
FSCM 83330	1913 ATLANTIC AVE. MANASQUAN, N.J. 08736	
	SHEET OF	FAMILY TABLE:

# Mouser Electronics

Authorized Distributor

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