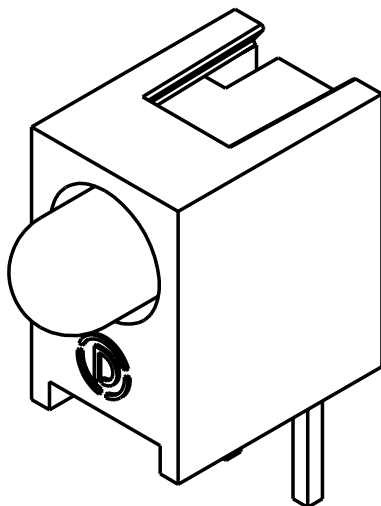
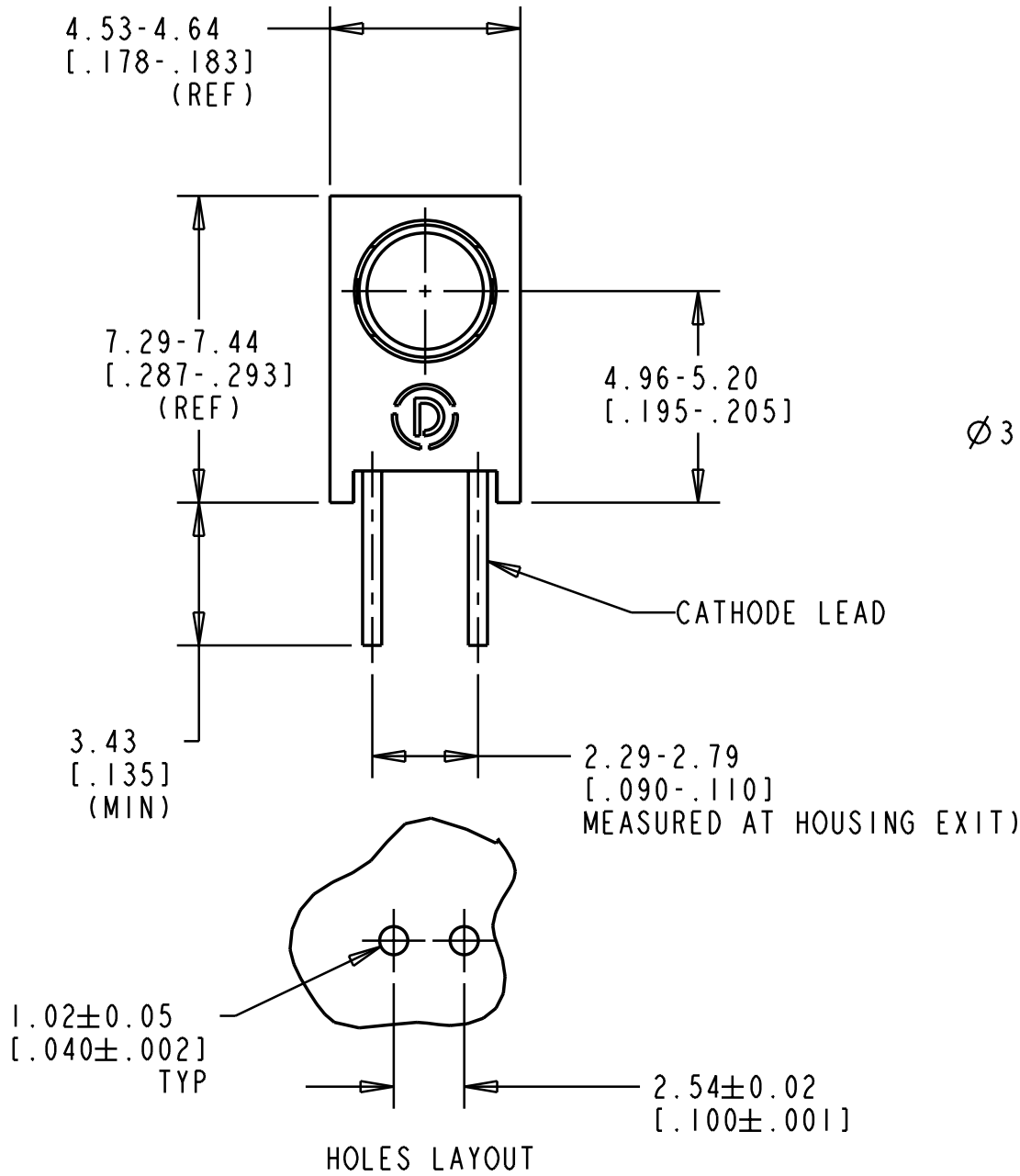


DIALIGHT PART NUMBER	OPERATING CHARACTERISTICS @ T _A = 25°C									MAXIMUM RATINGS				
	COLOR	VIEWING ANGLE	FORWARD VOLTAGE (V)		REVERSE VOLTAGE	PEAK WAVELENGTH (nm)	LUMINOUS INTENSITY (mcd)		TEST CONDITIONS	LINEAR DERATION	D.C. FORWARD CURRENT (mA)	OPERATING TEMPERATURE	STORAGE TEMPERATURE	LEAD SOLDERING TEMPERATURE
			TYP	MAX		TYP	MIN	TYP						
HLMP-1300-101	RED	60°	1.9	2.4	5 V @ I _R = 100 μA	635	8.6	13.8	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-55°C TO 100°C	-55°C TO 100°C	260°C FOR 5 SEC
HLMP-1301-101	RED	60°	1.9	2.4	5 V @ I _R = 100 μA	635	8.6	13.8	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1302-101	RED	60°	1.9	2.4	5 V @ I _R = 100 μA	635	8.6	13.8	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1321-101	RED	45°	2.2	3.0	5 V @ I _R = 100 μA	635	8.6	12.0	I _F = 10 mA	1.8 mW/°C (FROM 25°C)	30	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1340-101	RED	45°	1.9	2.6	5 V @ I _R = 100 μA	635	35	45	I _F = 20 mA	—	30	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1385-101	RED	60°	2.2	3.0	5 V @ I _R = 100 μA	635	6.0	10.0	I _F = 10 mA	1.8 mW/°C (FROM 25°C)	30	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1401-101	YELLOW	60°	2.0	2.4	5 V @ I _R = 100 μA	583	3.6	7.0	I _F = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1402-101	YELLOW	60°	2.0	2.4	5 V @ I _R = 100 μA	583	3.6	7.0	I _F = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1420-101	YELLOW	60°	2.0	2.4	5 V @ I _R = 100 μA	583	3.6	7.0	I _F = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1421-101	YELLOW	45°	2.2	3.0	5 V @ I _R = 100 μA	583	6.0	12.0	I _F = 10 mA	1.6 mW/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1440-101	YELLOW	45°	2.1	2.6	5 V @ I _R = 100 μA	583	35	45	I _F = 20 mA	—	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1485-101	YELLOW	60°	2.2	3.0	5 V @ I _R = 100 μA	583	6.0	10.0	I _F = 10 mA	1.6 mW/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1503-101	GREEN	60°	2.1	2.7	5 V @ I _R = 100 μA	565	2.6	7.0	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-1520-101	GREEN	60°	2.1	2.7	5 V @ I _R = 100 μA	565	2.6	7.0	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-1521-101	GREEN	45°	2.3	3.0	5 V @ I _R = 100 μA	565	4.2	12.0	I _F = 10 mA	1.8 mW/°C (FROM 25°C)	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-1523-101	GREEN	60°	2.1	2.7	5 V @ I _R = 100 μA	565	2.6	7.0	I _F = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-1540-101	GREEN	45°	2.2	3.0	5 V @ I _R = 100 μA	565	35	45	I _F = 20 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-1585-101	GREEN	60°	2.3	3.0	5 V @ I _R = 100 μA	565	4.0	8.5	I _F = 10 mA	1.8 mW/°C (FROM 25°C)	25	-20°C TO 100°C	-55°C TO 100°C	
			FORWARD CURRENT (mA)								D.C. FORWARD VOLTAGE (V)			
			TYP	MAX										
HLMP-1600-101	RED, 5 V	60°	10	15	5 V @ I _R = 100 μA	635	1.5	4.0	V _F = 5 V	.071 V/°C (FROM 50°C)	7.5	-40°C TO 85°C	-55°C TO 100°C	
HLMP-1620-101	YELLOW, 5 V	60°	10	15	5 V @ I _R = 100 μA	583	2.0	8.0	V _F = 5 V	—	7.5	-40°C TO 85°C	-55°C TO 100°C	
HLMP-1640-101	GREEN, 5 V	60°	12	15	5 V @ I _R = 100 μA	565	2.0	8.0	V _F = 5 V	—	7.5	-20°C TO 85°C	-55°C TO 100°C	
			FORWARD VOLTAGE (V)								D.C. FORWARD CURRENT (mA)			
			TYP	MAX										
HLMP-1700-101	RED, 2 mA	50°	1.8	2.2	5 V @ I _R = 50 μA	635	1.0	1.8	I _F = 2 mA	—	7	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1719-101	YELLOW, 2 mA	50°	1.9	2.7	5 V @ I _R = 50 μA	583	1.0	1.6	I _F = 2 mA	—	7	-55°C TO 100°C	-55°C TO 100°C	
HLMP-1790-101	GREEN, 2 mA	50°	1.8	2.2	5 V @ I _R = 50 μA	565	1.0	1.6	I _F = 2 mA	—	7	-20°C TO 100°C	-55°C TO 100°C	
HLMP-K150-101	AlGaAs RED	60°	1.6	1.8	5 V @ I _R = 100 μA	645	1.3	2.0	I _F = 1 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	
HLMP-K101-101	AlGaAs RED	60°	1.8	2.2	5 V @ I _R = 100 μA	645	22	45	I _F = 20 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	



DIMENSIONS:
mm
[inches]

REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	M.C.			

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE 4:1	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES	C-16478	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	Ø 3.00 mm CBI ARRAY	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005	Dialight	
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°	1913 ATLANTIC AVE. MANASQUAN, N.J. 08736	
FINISH:	SHEET OF	
FSCM 83330		
FAMILY TABLES:		