

Excellent Integrated System Limited

Stocking Distributor

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[Dialight](#)
[HLMP1300101F](#)

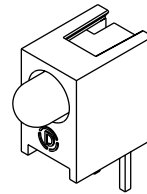
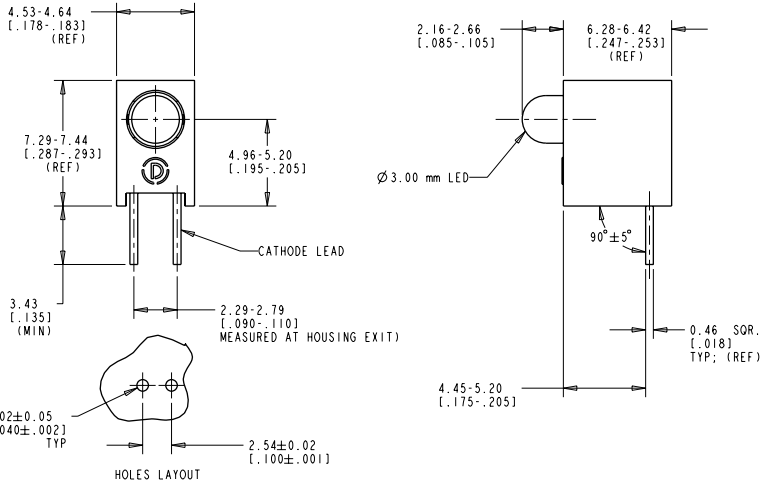
For any questions, you can email us directly:

sales@integrated-circuit.com

OPERATING CHARACTERISTICS @ TA : 25°C

MAXIMUM RATINGS

electronic components															Contact Us: Sales@integrated-circuit.com Website: www.integrated-circuit.com														
DIALIGHT PART NUMBER	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	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																
MAXIMUM RATINGS																													
FORWARD CURRENT (mA)																													
			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	1.071 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)																													
			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.			

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SCALE: 1:1	DRAWING NUMBER		REV		
ALL DIM'S IN: INCHES	C-16478		A		
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE		Ø 3.00 mm CBI ARRAY		
FRACTIONS: 1/64	MATERIAL				
DECIMALS (1.00): 0.01	Dialight		1913 ATLANTIC AVE. MANASSAQUAN, N.J. 08736		
DECIMALS (1.000): 0.0005					
ANGLES: 0.5°	FSCM 83330		SHEET OF FAMILY TABLES:		