

DIALIGHT PART NUMBER	NUMBER OF POSITIONS	DIMENSION "A" (BAR LENGTH) METRIC, [INCHES]	OPERATING CHARACTERISTICS @ T <sub>A</sub> = 25°C														
			COLOR	VIEWING ANGLE	FORWARD VOLTAGE (V)		REVERSE VOLTAGE	PEAK WAVELENGTH (nm)	LUMINOUS INTENSITY (mcd)		TEST CONDITIONS						
					TYP	MAX			MIN	TYP							
HLMP-1300-102	2	8.76-9.65, [.346-.380]	RED	60°	1.9	2.4	5 V @ I <sub>R</sub> = 100 μA	635	8.6	13.8	I <sub>F</sub> = 10 mA						
HLMP-1300-103	3	13.36-14.22, [.526-.560]															
HLMP-1300-104	4	18.54-19.02, [.730-.749]															
HLMP-1301-102	2	8.76-9.65, [.346-.380]															
HLMP-1301-103	3	13.36-14.22, [.526-.560]															
HLMP-1301-104	4	18.54-19.02, [.730-.749]															
HLMP-1301-106	6	27.94-28.45, [1.100-1.120]															
HLMP-1301-108	8	37.39-37.72, [1.472-1.485]															
HLMP-1302-102	2	8.76-9.65, [.346-.380]															
HLMP-1302-104	4	18.54-19.02, [.730-.749]															
HLMP-1302-107	7	32.64-33.15, [1.285-1.305]															
HLMP-1321-104	4	18.54-19.02, [.730-.749]										45°	2.2	3.0	8.6	12.0	I <sub>F</sub> = 20 mA
HLMP-1340-104	4	18.54-19.02, [.730-.749]										60°	1.9	2.6	35	45	I <sub>F</sub> = 10 mA
HLMP-1385-108	8	37.39-37.72, [1.472-1.485]	60°	2.2	3.0	6.0	10.0	I <sub>F</sub> = 10 mA									

MAXIMUM RATINGS				
	HLMP-1300-1XX, HLMP-1301-1XX, HLMP-1302-1XX	HLMP-1321-104	HLMP-1340-104	HLMP-1385-108
LINEAR DERATION FROM 25°C	—	1.8 mW/°C	—	1.8 mW/°C
LINEAR DERATION FROM 50°C	0.5 mA/°C	—	—	—
D.C. FORWARD CURRENT	30 mA			
OPERATING TEMPERATURE	-55°C TO 100°C			
STORAGE TEMPERATURE	-55°C TO 100°C			
LEAD SOLDERING TEMPERATURE	260°C FOR 5 SEC			



REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
A	—	NEW RELEASE	M.C.	D.C.	N.O.	3-12-99
B	—	REVISED ELECTRO/OPTICAL SPECS. AND 90° ± 5° WAS 90° ± 10°.	M.C.			



SCALE 2.000

DIMENSIONS:  
mm  
[inches]

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SCALE 4:1	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES	C-16497	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	Ø 3.00 mm CBI ARRAY, RED	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.005	Dialight	
DECIMALS (.XXXX): ±.0005	1913 ATLANTIC AVE. MANASQUAN, N.J. 08736	
ANGLES: ±1°	FINISH:	
FSCM 83330	SHEET OF	FAMILY TABLES: