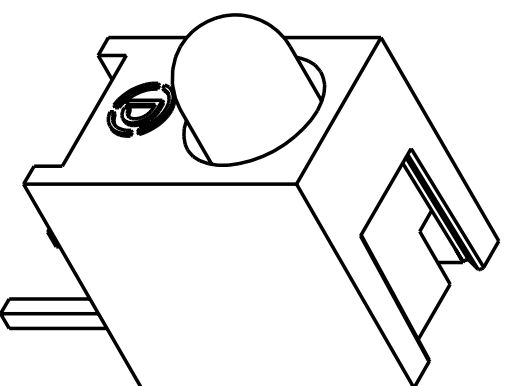
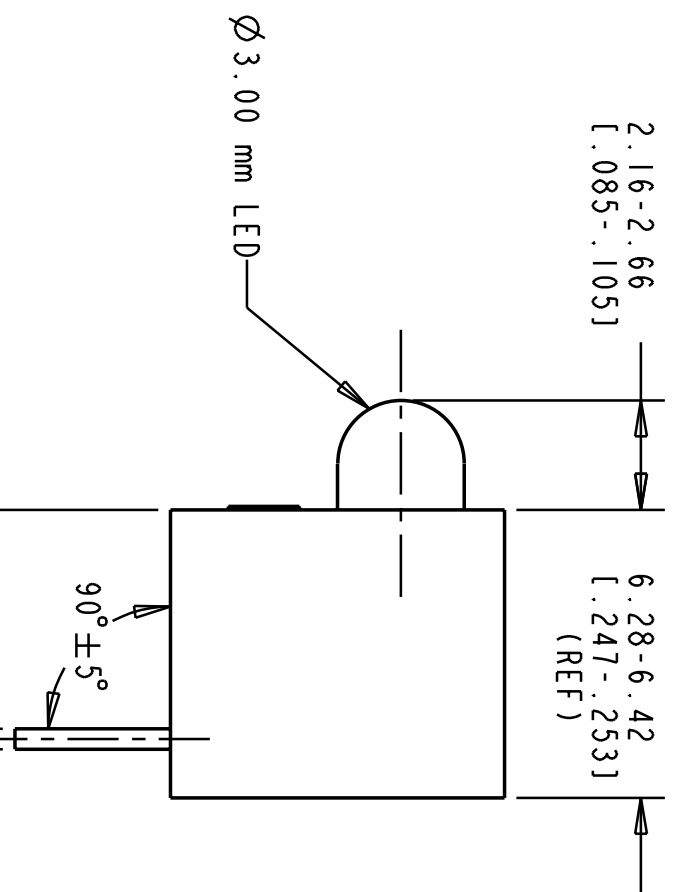




**THE DATASHEET OF
HLMP1300101F**



OPERATING CHARACTERISTICS @ TA = 25°C				MAXIMUM RATINGS						
V (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	MIN	TYP						
2.4	5 V @ Ir = 100 μA	635	8.6	13.8	If = 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
2.4	5 V @ Ir = 100 μA	635	8.6	13.8	If = 10 mA	0.5 mA/°C (FROM 50°C)	30	-55°C TO 100°C	-55°C TO 100°C	
2.4	5 V @ Ir = 100 μA	635	8.6	13.8	If = 10 mA	0.5 mA/°C (FROM 50°C)	30	-55°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	635	8.6	12.0	If = 10 mA	1.8 mW/°C (FROM 25°C)	30	-55°C TO 100°C	-55°C TO 100°C	
2.6	5 V @ Ir = 100 μA	635	35	45	If = 20 mA	—	30	-55°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	635	6.0	10.0	If = 10 mA	1.8 mW/°C (FROM 25°C)	30	-55°C TO 100°C	-55°C TO 100°C	
2.4	5 V @ Ir = 100 μA	583	3.6	7.0	If = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
2.4	5 V @ Ir = 100 μA	583	3.6	7.0	If = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
2.4	5 V @ Ir = 100 μA	583	3.6	7.0	If = 10 mA	0.2 mA/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	583	6.0	12.0	If = 10 mA	1.6 mW/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
2.6	5 V @ Ir = 100 μA	583	35	45	If = 20 mA	—	20	-55°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	583	6.0	10.0	If = 10 mA	1.6 mW/°C (FROM 50°C)	20	-55°C TO 100°C	-55°C TO 100°C	
2.7	5 V @ Ir = 100 μA	565	2.6	7.0	If = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
2.7	5 V @ Ir = 100 μA	565	2.6	7.0	If = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	565	2.6	12.0	If = 10 mA	1.8 mW/°C (FROM 25°C)	30	-20°C TO 100°C	-55°C TO 100°C	
2.7	5 V @ Ir = 100 μA	565	2.6	7.0	If = 10 mA	0.5 mA/°C (FROM 50°C)	30	-20°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	565	35	45	If = 20 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	
3.0	5 V @ Ir = 100 μA	565	4.0	8.5	If = 10 mA	1.8 mW/°C (FROM 25°C)	25	-20°C TO 100°C	-55°C TO 100°C	
T (mA)		D.C. FORWARD VOLTAGE (V)								
MAX										
15	5 V @ Ir = 100 μA	635	1.5	4.0	Vf = 5 V	0.071 V/°C (FROM 50°C)	7.5	-40°C TO 85°C	-55°C TO 100°C	
15	5 V @ Ir = 100 μA	583	2.0	8.0	Vf = 5 V	—	7.5	-40°C TO 85°C	-55°C TO 100°C	
15	5 V @ Ir = 100 μA	565	2.0	8.0	Vf = 5 V	—	7.5	-20°C TO 85°C	-55°C TO 100°C	
MAX										
D.C. FORWARD CURRENT (mA)										
2.2	5 V @ Ir = 50 μA	635	1.0	1.8	If = 2 mA	—	7	-55°C TO 100°C	-55°C TO 100°C	
2.7	5 V @ Ir = 50 μA	583	1.0	1.6	If = 2 mA	—	7	-55°C TO 100°C	-55°C TO 100°C	
2.2	5 V @ Ir = 50 μA	565	1.0	1.6	If = 2 mA	—	7	-20°C TO 100°C	-55°C TO 100°C	
1.8	5 V @ Ir = 100 μA	645	1.3	2.0	If = 1 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	
2.2	5 V @ Ir = 100 μA	645	22	45	If = 20 mA	—	30	-20°C TO 100°C	-55°C TO 100°C	



REV.	ECN NO.	REVISIONS	DRN.	CKD.	APP.	DATE
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