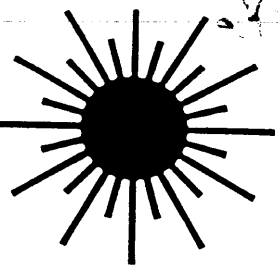


942.443

MARL OPTOSOURCE

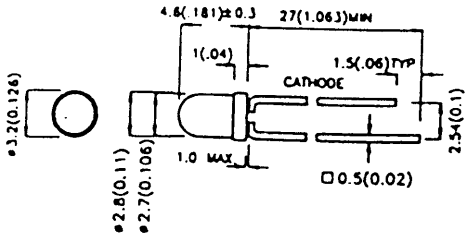


Ulverston, Cumbria, LA12 7RY, England.

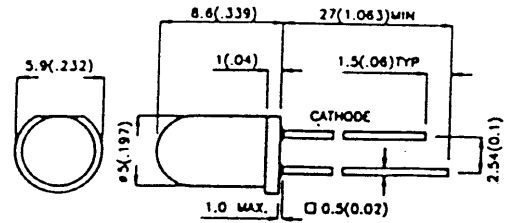
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Discrete LED Components

Super Bright LEDs



3 MM RANGE



5 MM RANGE

ORDERING INFORMATION AND TECHNICAL CHARACTERISTICS (Ta = 25°C)

3 mm Range

ORDER CODE	COLOUR	LENS EPOXY	WAVE LENGTH λp	LUMINOUS INTENSITY Iv @ Iopr	FORWARD CURRENT Iopr	VIEWING ANGLE 2Θ1/2	TYP FWD VOLTAGE Vf @ Iopr	MAX FWD VOLTAGE Vf @ Iopr	OPERATING TEMP Topr	STORAGE TEMP Tstg
100030	Red	Diffused	660	100-200	20	60	1.85	2.5	- 40 to + 85	- 40 to + 85
100031	Red		660	200-300	20	60	1.85	2.5		
100032	Red		660	400-600	20	60	1.85	2.5		
100028	Red	Water-Clear	660	500-700	20	50	1.85	2.5	- 40 to + 85	- 40 to + 85
100029	Red		660	700-1000	20	50	1.85	2.5		
100007	Red		660	1200-1400	20	50	1.85	2.5		
			nm	mcd	mA	deg	V	V	°C	°C

5 mm Range

ORDER CODE	COLOUR	LENS EPOXY	WAVE LENGTH λp	LUMINOUS INTENSITY Iv @ Iopr	FORWARD CURRENT Iopr	VIEWING ANGLE 2Θ1/2	TYP FWD VOLTAGE Vf @ Iopr	MAX FWD VOLTAGE Vf @ Iopr	OPERATING TEMP Topr	STORAGE TEMP Tstg
110064	Red	Diffused	660	200-300	20	60	1.85	2.5	- 40 to + 85	- 40 to + 85
110000	Red		660	300-500	20	60	1.85	2.5		
110065	Red		660	700-1000	20	60	1.85	2.5		
110066	Red	Water-Clear	660	400-500	20	30	1.85	2.5	- 40 to + 85	- 40 to + 85
110008	Red		660	500-1000	20	30	1.85	2.5		
110015	Red		660	1000-1300	20	30	1.85	2.5		
110067	Red		660	1300-1600	20	30	1.85	2.5		
110068	Red		660	1600-2000	20	30	1.85	2.5		
110069	Red		660	2000-3500	20	30	1.85	2.5		
			nm	mcd	mA	deg	V	V	°C	°C

Mean Time Between Failure 100,000 hours