



ETG INC.

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ETG-5MN505-30

DATA SHEET

QC:

ENG:

Prepared By:

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Absolute Maximum Ratings at Ta=25?

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	35	mA
Derating Linear From 50?	0.4	mA/?
Reverse Voltage	5	V
Operating Temperature Range	-40? to +80?	
Storage Temperature Range	-40? to +80?	
Lead Soldering Temperature [4mm(.157") From Body]	260? for 5 Seconds	

Electrical Optical Characteristics at Ta=25?

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	2600	3700	5500	mcd	I _f =20mA (Note 1)
Viewing Angle	2? ^{1/2}	25	30	35	Deg	(Note 2)
Peak Emission Wavelength	? p		502		nm	I _f =20mA
Dominant Wavelength	? d	500	505	510	nm	I _f =20mA (Note 3)
Spectral Line Half-Width	? ?		30		nm	I _f =20mA
Forward Voltage	V _F	3.0	3.4	3.9	V	I _f =20mA
Reverse Current	I _R	---	---	100	μA	V _R =5V

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. ? ^{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (? d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.



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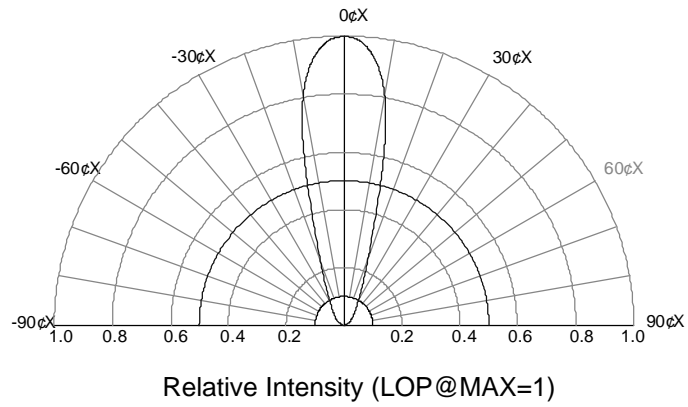
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Beam Pattern



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Version:1.0