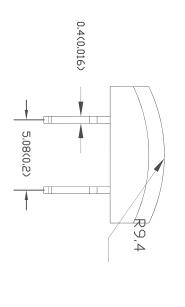
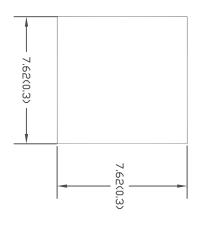


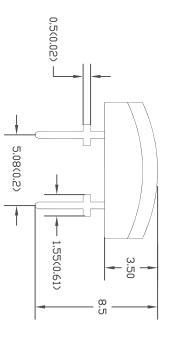
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Package Dimension:







Yellow	Water Clear	A1InGaP	ETG-PRG590-180
 Source Color	Lens Color	Chip Material	Part No

Notes:

- All dimensions are in millimeters (inches).
 Tolerance is ±0.25mm (.010") unless otherwise noted.
 Protruded resin under flange is 1.0mm (.04") max.
 Lead spacing is measured where the leads emerge from the package.
 Specifications are subject to change without notice.
 This data-sheet only valid for six months.

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SHOS Compliant

FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.	BELLIFVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT	ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE	
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U.D.M.: INCHES [mm]			MC24175	EL	Multi - Color	
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Absolute Maximum Ratings

(Ta=25°C)

Lead Soldering Temperature [4mm<.157') From Body]	Storage Temperature Range	Operating Temperature Range	Reverse Voltage	Derating Linear From 50°C	Continuous Forward Current	Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	Power Dissipation	Parameter
260°C for	-40°C to +100°C	-25°C to +80°C	υ	0.4	50	100	120	Max.
260°C for 5 Seconds	5 +100°C	o +80°C	<	mA/°C	۳A	mА	ΜW	Unit

Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol Min. Typ. Max. Unit	M n	Тур.	Max.	Unit	Test Condition
Luminous Intensity	I٧		600		mcd	I=30mA (Note 1)
Viewing Angle	201/2		140		Deg	(Note 2)
Peak Emission Wavelength	λp	-	590		3	I _f =30mA
Spectral Line Half-Width	• Cλ	-	25		3	I _f =30mA
Dom Emission Wavelength	λd		588		nm	I=30mA
Forward Voltage	<,	-	2.2	2.6	<	I _f =30mA
Reverse Current	IR	-		100	μA	V _R =5∨

Notes:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $heta_{n2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- 3. The dominant wavelength (id) is derived from the CIE Chromaticity diagram and represents the single wavelength which defines the color of the device.



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NTS			~	DWG. NO.		DRAWING TITLE:
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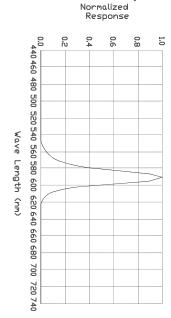


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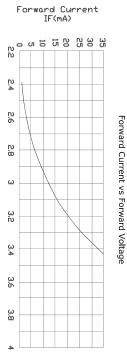
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Typical Electrical/Optical Characteristics Curves (25°C Ambient Temperature Unless Otherwise Noted)

Relative Intensity vs. Wavelength Spectral Radiance (Peak @ 590nm)

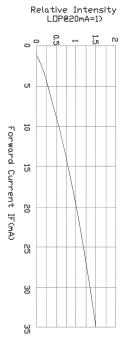


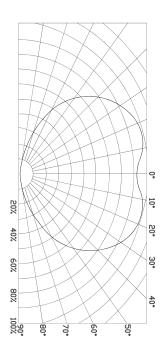
Relative Intensity (%)



Forward Voltage VF(V)

Relative Luminous Intensity vs Forward Current





Compliant	RoHS

	LIABILITY WHATSOEVER IN CONNECTION THEREWITH.
, ,	FOR THE INTENDED USE AND ASSUME ALL RISK AND
2	USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT
U Z	CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE
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2 2	HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE
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U.O.M.: INCHES [mm]			MC24175	ELE	Multi Color LED				
SHEET: 1 OF 1		02P5899		ECTRONIC FILE	LED				
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