



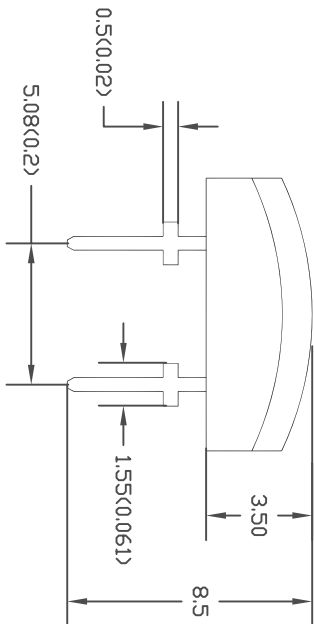
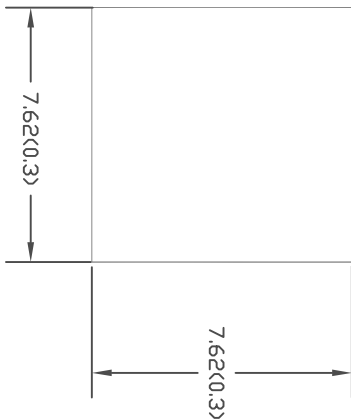
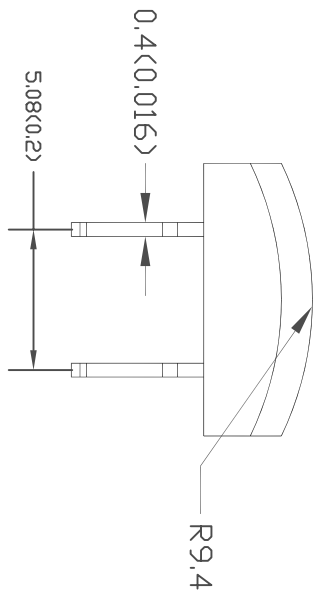
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SPC-F005.DWG

REVISONS		DOC. NO.	SPC-F005	Effective	7/8/02	DCP No	1398	
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVI	DATE
XX	XX	XXXX	XXXX	11-09-08	XXXX	11-09-08	XXXX	11-09-08
XXXX	XXXX		XXXX	11-09-08	XXXX	11-09-08	XXXX	11-09-08

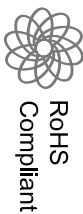
**Package Dimension:**



Part No	Chip Material	Lens Color	Source Color
ETG-PTS630-180	AlGaInP	Water Clear	Super Bright Red

Notes:

- All dimensions are in millimeters (inches).
- Tolerance is ±0.25mm (0.010") unless otherwise noted.
- Protruded resin under flange is 1.0mm (0.04") 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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DRAWING TITLE:		LED - Multicolor	
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC24173	02P5897	XX
SCALE:	NTS	U.D.M:	INCHES [mm]
SHEET:		1	OF 1



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DCP #	REV			DRAWN	DATE	CHECKD	DATE	APPRVI	DATE
XX	XX	XXXX		XXXX	23-09-08	XXXX	23-09-08	XXXX	23-09-08
XXXX	XXXX			XXXX	23-09-08	XXXX	23-09-08	XXXX	23-09-08

### Absolute Maximum Ratings (Ta=25°C)

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

### Electro-optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	400	800	1000	mcđ	If=30mA (Note 1)
Viewing Angle	2θ1/2	---	140	---	Deg	(Note 2)
Peak Emission Wavelength	λp	---	632	640	nm	If=50mA
Dominant Wavelength	λd	---	625	635	nm	If=50mA (Note 1)
Spectral Line Half-Width	*C1	15	20	25	nm	If=50mA
Forward Voltage	Vf	---	2.2	2.6	V	If=50mA
Reverse Current	Ir	---	---	100	μA	Vr=5V

#### Notes:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- The dominant wavelength (λd) is derived from the CIE Chromaticity diagram and represents the single wavelength which defines the color of the device.



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XXXX	23-09-08
APPROVED BY:	DATE:
XXXX	23-09-08

#### DRAWING TITLE:

Multi Color LED

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC24173	02P5897	XX
SCALE:	NTS	U.D.M:	INCHES [mm]
SHEET:	1	OF	1



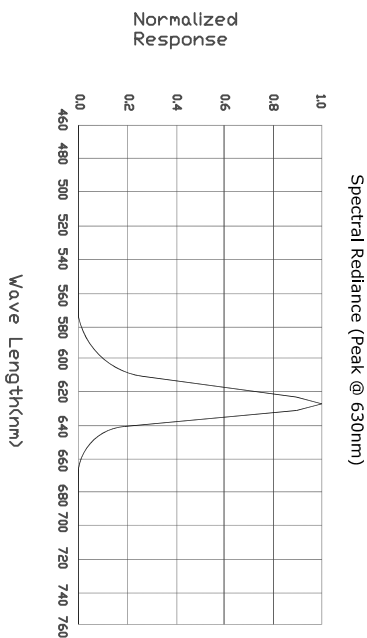
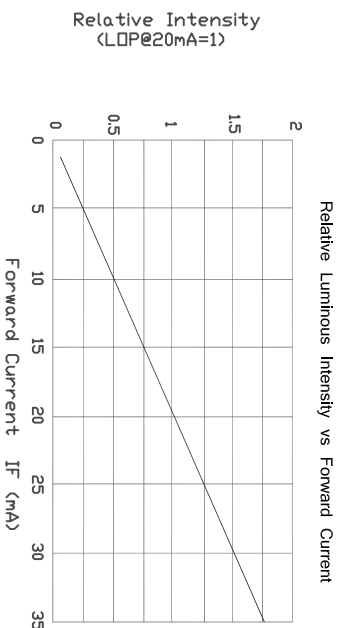
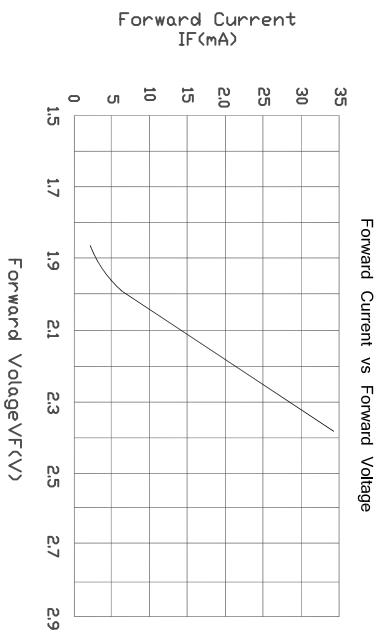
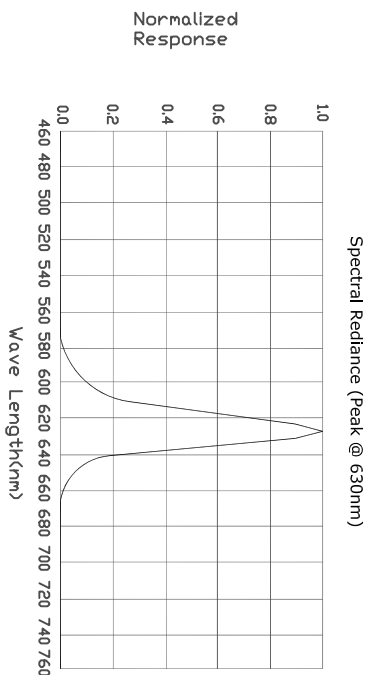
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SPC-F005.DWG

REVISIONS		DOC. NO. SPC-F005	* Effective: 7/8/02	* DCP No: 1398				
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRD	DATE
XX	XX	XXXX	XXXX	25-09-08	XXXX	25-09-08	XXXX	25-09-08
XXXX	XXXX		XXXX	25-09-08	XXXX	25-09-08	XXXX	25-09-08

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



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