

**SPECIFICATIONS**

**OPTICAL**

MODE: CW  
 WAVELENGTH: 670nm TYPICAL  
 OUTPUT POWER: 0.95mW ±5% @ FACE  
 LASER CLASS: CLASS II, CONFORMING IEC 60825-1:  
 CDRH 21CFR § 1040: CLASS 2  
 IEC 60825-1: CLASS 2

SPOT SIZE @ FACE: Ø3.0mm TYPICAL  
 BEAM DIVERGENCE: 0.4mrad TYPICAL  
 POINTING ACCURACY: ≤4.3mrad

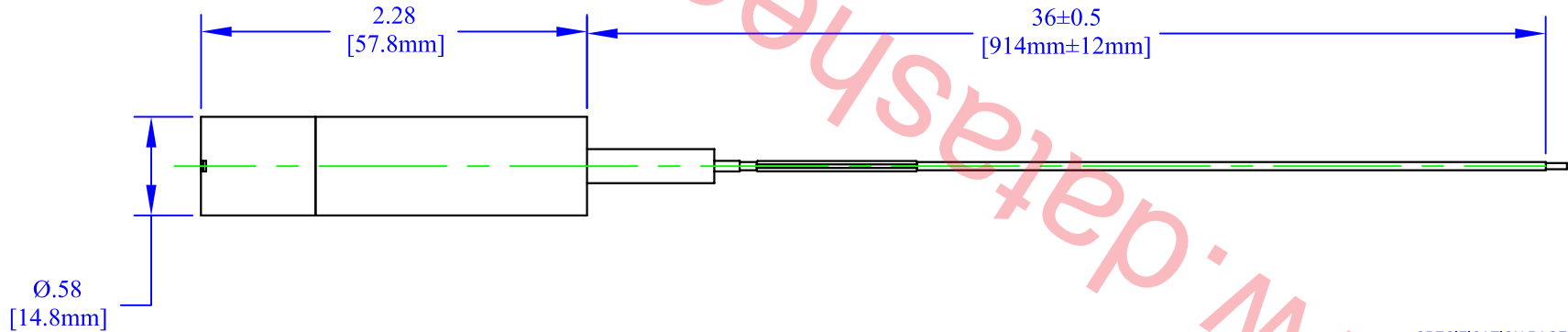
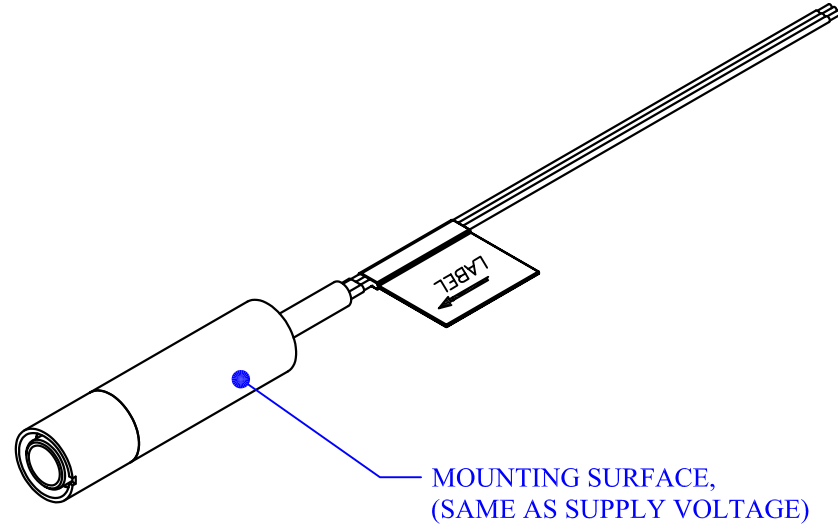
**ELECTRICAL**

OPERATING VOLTAGE: RED: 6~10VDC, RECOMMEND 6VDC  
 WHITE: CONTROL  
 BLACK: GROUND  
 OPERATING CURRENT: 180mA TYPICAL  
 260mA MAX  
 CONTROL LINE: 500KHz  
 MAXIMUM BAND WIDTH: 1.6V~1.9V  
 LINEAR START: 3.0V~3.5V  
 LINEAR END: 5.0V  
 MAX VOLTAGE: 5.5KOHM  
 INPUT RESISTANCE: 5V  
 TTL INPUT: 500nsec TYPICAL  
 TTL TIME RISE: 250msec  
 POWER-ON DELAY:

**MECHANICAL**

OPERATING TEMP: -10°C~+40°C  
 CASE: METAL: SAME AS SUPPLY VOLTAGE

**VALUES @ 25°C**



SPECIFICATION PAGE 1 OF 1

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DRAWN KELLEY,G	DATE 3-22-05	CHECKED X	DATE X	FINISH: X	
DESIGNER KELLEY,G	DATE 10-08-01	PROJECT X	DATE X	PARTS MUST CONFORM TO COHERENT ENG SPECIFICATION #0900-000-00.	SIZE A
ALL DIM'S TO BE CONCENTRIC WITHIN .005 TIR UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: DEC .X ± .1 mm ± .1 .XX ± .01 cm ± .1 .XXX ± .005 ANG ± 1' FIN 32 BREAK ALL SHARP EDGES .005-.010				ENGINEER X	DATE X
				RELEASED X	DATE X
				QUALITY X	DATE X
				SCALE NONE	SHEET 2 OF 3
				0221-460-00.dwg CAD SYSTEM DESIGN NO.	