

TECHNICAL DATA
DATA SHEET 1167, REV. -

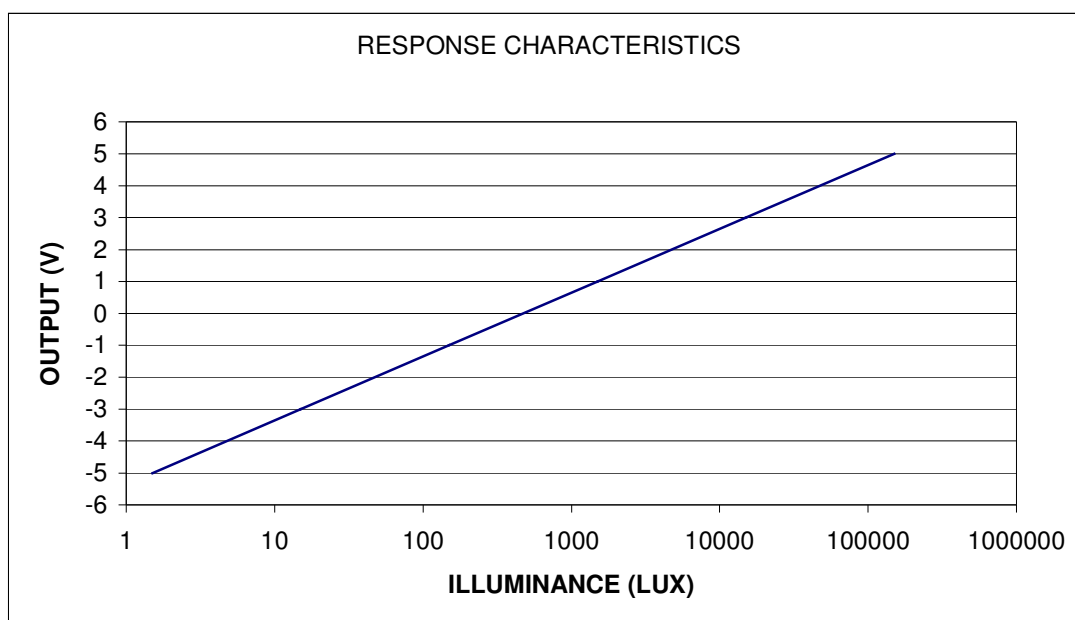
AMBIENT LIGHT SENSOR LOGARITHMIC HYBRID AMPLIFIER

FEATURES:

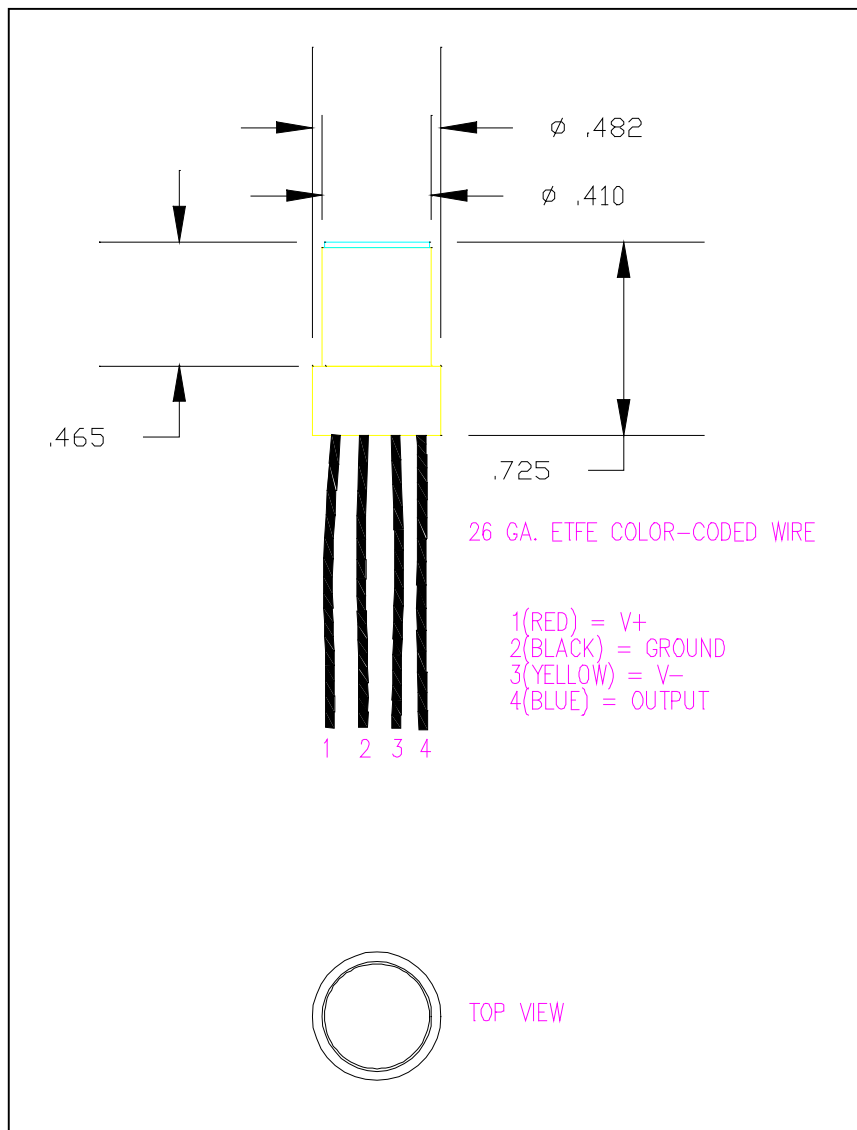
- 2 Volts Per Decade Response
- Wide Field of View
- Very Wide Sensitivity Range
- Filtered to Match Human Eye Model
- Miniature Size
- Internal Temperature Compensation

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS

RATINGS/CHARACTERISTIC -- Condition	SYMBOL	MIN.	TYP.	MAX.	UNITS
Supply Voltage	V_{CC}	-	-	+18	Volts
Supply Voltage	V_{CC}	-	-	-18	Volts
Output Voltage -- (± 0.25 Volts) (over input range of 1.5 to 150,000 Lux)	V_O	-5	-	+5	Volts
Insulation Resistance @ 50Vdc	R_I	10	-	-	$M\Omega$
Reduction @ Field of View of $\pm 40^\circ$ from center pole	-	-	-	50	%
Sensitivity (up to 10Hz)	-	1.5	-	150,000	Lux
Operating Temperature Range	T_{OP}	-40	-	+85	$^\circ C$



SENSITRON

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MECHANICAL DIMENSIONS: in Inches**BLOCK DIAGRAM:**