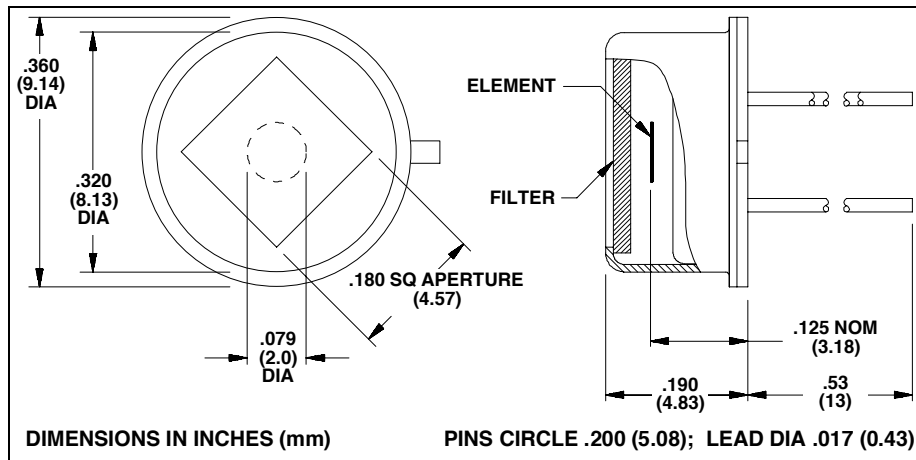


Eltec Model 400M29

Detector Specifications Data Sheet

April 3, 1996



Specifications

Model:	400M29 See Model 400 datasheet for other data and package layout/dimensions.
Detector Type:	Single Element
Element Size:	2.49mm x 2.49mm
Element Material:	Lithium Tantalate
Optical Bandwidth (Without Filter):	< 0.1 μm ... 1,000 μm
Capacitance (Min.):	45.0 pF
Capacitance (Max.):	78.0 pF
Characteristics at:	1,000 Hz, $R_t = 25^\circ\text{C}$
Responsivity (Min.):	0.27 $\mu\text{A/W}$
Characteristics ('-2' germanium filter):	2.5 μm .. 16.67 μm , 500 K, 10 Hz, $R_t = 25^\circ\text{C}$
Element Resistance (Typical):	> $5 \times 10^{12} \Omega$
Recommended Operating Temperature:	-40 ... +160 $^\circ\text{C}$
Storage Temperature:	-55 ... +170 $^\circ\text{C}$
Incident Power Limit:	10 mW
Functional Delta T:	< 5 $^\circ\text{C/minute}$
Output Polarity:	Positive for a positive change