

Model 400M29

DETECTOR SPECIFICATIONS DATA SHEET

April 3, 1996

MODEL: 400M29

DETECTOR TYPE: Single Element

ELEMENT SIZE: 2.49 mm x 2.49 mm

ELEMENT MATERIAL: Lithium Tantalate

OPTICAL BANDWIDTH (Without Filter): <0.1 μm to 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 AT (with -2 filter) 2.5 μm to 16.67 μm , 500°K, 10 Hz, $R_T = 25^\circ\text{C}$

ELEMENT RESISTANCE (TYP) $> 5 \times 10^{12}\Omega$

RECOMMENDED OPERATING TEMPERATURE -40 to +160°C

STORAGE TEMPERATURE: -55 to +170°C

Functional
Delta T < 5 C°/minute

INCIDENT POWER LIMIT: 10 mW

OUTPUT POLARITY: Positive for a positive change

for all other data and package layout,
refer to the Model 400 datasheet

Worldwide Eltec Product Distribution and Free Technical Support:

Silverlight Ltd., Glaernischstrasse 59, CH-8712 Staefa, Switzerland

Tel. +41 44 926 4362

info@silverlight.ch

Online Product Orders and Datasheet Library on **<http://www.eltec.ch>**