



**Electro Optical Components, Inc.**

5464 Skylane Boulevard, Suite D, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



## **HOT MWIR Detector vs 77K Detector**

Comparison of HOT detectors with different photosensitive materials

Specifications	MCT	InSb	77K T2SL	HOT T2SL
Operating Temperature	77K - 80K	77K - 80K	77K - 80K	<b>120K - 150K</b>
Steady power consumption	6 - 8 W	6 - 8 W	6 - 8 W	<b>3 - 4 W</b>
Cool down time	6 - 9 Min	6 - 9 Min	6 - 9 Min	<b>3 - 4 Min</b>
Cooler Life	8000h	8000h	8000h	<b>16000h</b>
Spectral Response	3.2 $\mu$ m – 4.7 $\mu$ m	3.2 $\mu$ m – 4.7 $\mu$ m	3.2 $\mu$ m – 4.7 $\mu$ m	<b>2.6<math>\mu</math>m – 4.7<math>\mu</math>m</b>
Power Supply	24 VDC	24 VDC	12 VDC	12 VDC/24VDC