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Introducing:

Specifications for 2.5 μ m SWIR PV MCT Detectors
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Use and Disclosure of Data

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Specifications for 2.5 μ m SWIR PV MCT Detectors

Excellent dark current, shunt resistance, breakdown voltage, and low capacitance

Detector Model Number	Active Size Diameter (mm)	Operating Temp. (°C)	50% Cutoff Wavelength (micron) typ	Peak Wavelength (micron) typ	Peak Responsivity (A/W) min	Shunt impedance (Ohm)		Short Circuit Current (A) typ	Dark Current @ -0.1V (A)		Peak D* (Jones)		NEP (W/rt-Hz) @ peak wavelength		Capacitance @ 0V (pF) typ
						min	typical		typ	max	min	typ	typ	max	
J19:2.5-18C-R01M	1.00	22	2.5	2.2	1.1	1.0E+04	2.0E+04	1.2E-08	1.0E-06	4.0E-06	7.6E+10	1.1E+11	8.2E-13	1.2E-12	600
J19TE1:2.5-37S-R01M	1.00	-20	2.5	2.2	1.1	2.0E+05	4.0E+05	1.2E-08	5.0E-08	2.0E-07	3.6E+11	5.0E+11	1.8E-13	2.5E-13	600
J19TE2:2.5-66C-R01M	1.00	-40	2.5	2.2	1.1	1.5E+06	3.0E+06	1.2E-08	1.0E-08	4.0E-08	8.7E+11	1.1E+12	8.2E-14	1.0E-13	600
J19TE3:2.5-66C-R01M	1.00	-65	2.5	2.2	1.1	1.5E+07	3.0E+07	1.2E-08	1.0E-08	4.0E-08	1.4E+12	1.5E+12	5.9E-14	6.2E-14	600

All spec are for detector operation at 0V bias & FOV=180 deg, unless otherwise specified.



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