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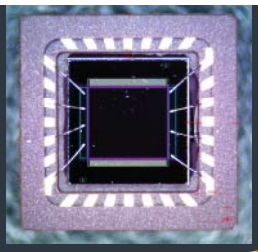
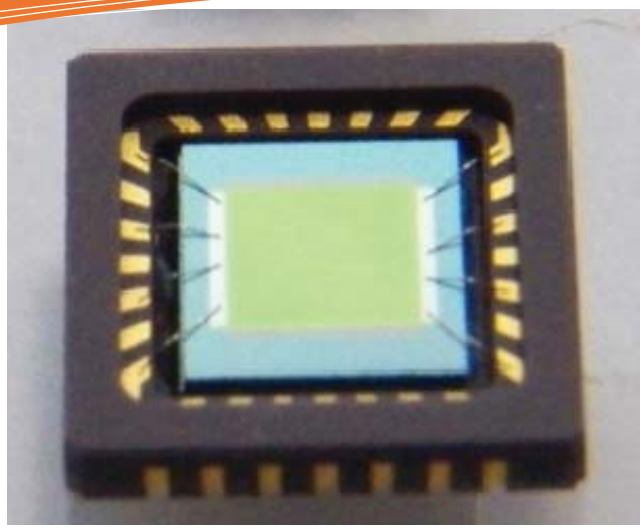
Click to go to Product Selector



INTX 22-1000-SM
Wideband Infrared Emitter



New !
Preliminary Announcement

Small Quantities Now Available

Benefits

- Pulsable up to 100Hz
- High Operating Temperature
- Wideband Emission 1-20 u
- High Efficiency
- Long Life
- Very Stable Resistance
- High Emissivity
- Window Options

Intex's unique quasi-black body pulsed infrared (IR) emitters are capable of operating at higher frequencies and higher temperatures than typical competitors. This delivers higher Signal to Noise Ratio in your application.

Blackbody Infrared Radiation Emitters

- **Gas Analyzers**
- **Photo Acoustic Analyzers**
- **Mid IR Beacons**
- **Reference and Calibration Sources**

Electrical Parameters	Min.	Typical	Max.
Resistance, ohms at Operating Temperature	35	45	55
Resistance, ohms at Room Temperature		43	
Drive Voltage, volts at Operating Temperature		5.9 6.7 Max	
Drive Current, mA at Operating Temperature		130 149 Max	
Drive Power, mW at Operating Temperature		767 1,000Max	
Modulation Frequency	1-100 Hz Typical		
Modulation Depth	99% at 10 Hz 50% at 70 Hz		
Modeling Parameters			
Thermal Time Constant	20 mS		
Operating Temperature	605 °C 750 °C Max		
Heated Membrane Area	4.80 mm^2 2.2 X 2.2 mm		
Emissivity, 2-14 microns	0.8		
Spectral Range	1 – 20 microns		
Physical Parameters			
Average Lifetime, at 10 Hz, 50% duty cycle	100,000 hrs		
Package	Kyocera KD-DBOG-18