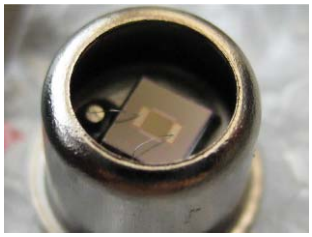
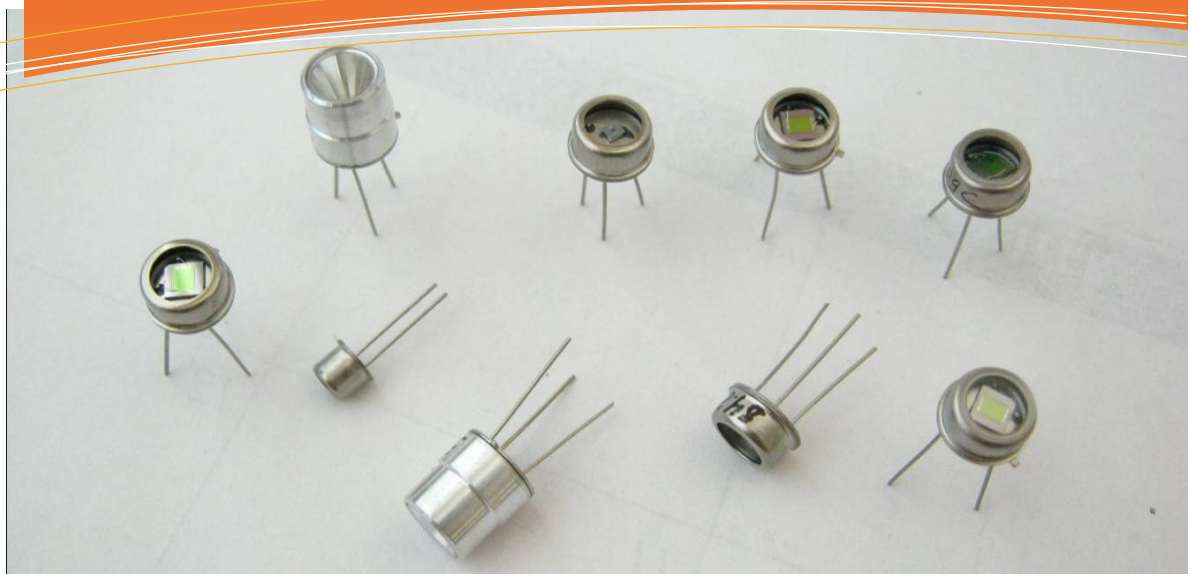


INTX 08-0300
Wideband Infrared Emitter



Benefits

Pulsable up to 200Hz

High Operating Temperature

Wideband Emission 1-20 µm

High Efficiency

Long Life

Very Stable Resistance

High Emissivity

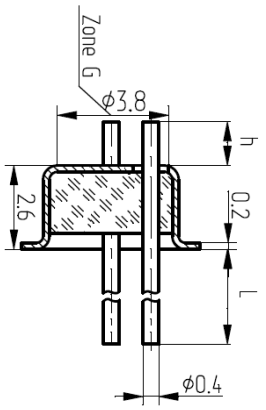
Reflector and Window Options

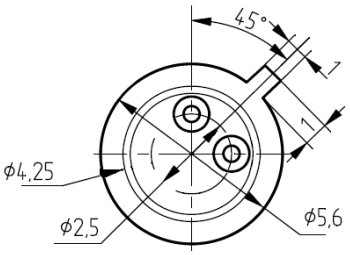
Intex's unique quasi-black body pulsed infrared (IR) emitters can operate at higher frequencies and higher temperatures than the competition, delivering a higher Signal-to-Noise Ratio for your application.

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	15.8	20.8	25.8
Resistance, ohms at Room Temperature		13.8	
Drive Voltage, volts at Operating Temperature		2.2 2.5 Max	
Drive Current, mA at Operating Temperature		105 120 Max	
Drive Power, mW at Operating Temperature		230 300 Max	
Modulation Frequency	1-200 Hz Typical		
Modulation Depth	100% at 10 Hz 50% at 140 Hz		
Modeling Parameters			
Thermal Time Constant	10 mS		
Operating Temperature	750 C		
Heated Membrane Area	0.64 mm^2 0.8 X 0.8 mm		
Emissivity, 2 – 14 microns	.90		
Spectral Range	1 – 20 microns		
Physical Parameters			
Average Lifetime, at 10 Hz, 50% duty cycle	TBD		
Package	TO-18, 2 pin		





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