



INTX 22-1000 Wideband Infrared Emitter

Benefits

Pulsable up to 100Hz

High Operating Temperature

Wideband Emission
1-20 μm

High Efficiency

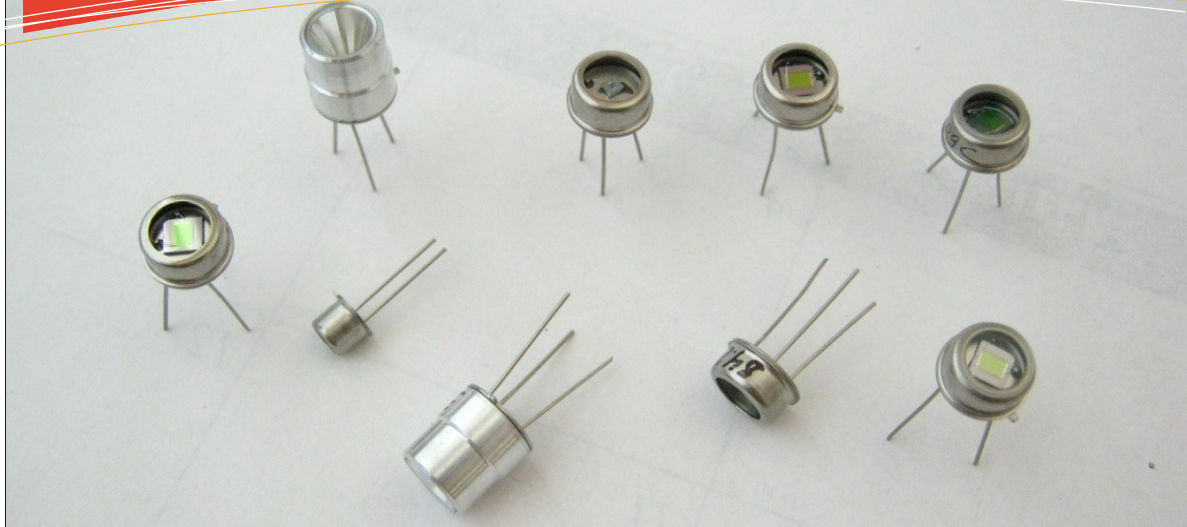
Long Life
>10 years at 605°C

Very Stable Resistance

High Emissivity

Reflector and Window Options

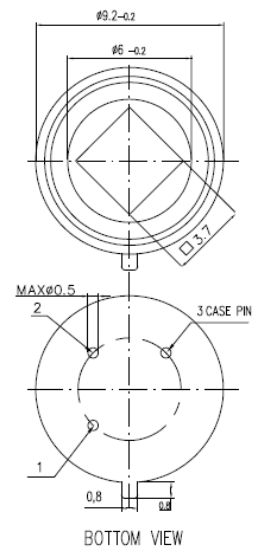
Intex's unique quasi-black body pulsed infrared (IR) emitters can operate at higher frequencies and higher temperatures than the competition, delivering a higher Signal-to-Noise Ratio for your application.



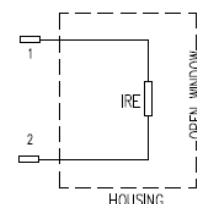
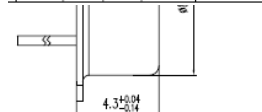
Blackbody Infrared Radiation Emitters

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

Electrical Parameters			
	Min.	Typical	Max.
Resistance, ohms at Operating Temperature	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 1,000 Max	
Modulation Frequency	1-100 Hz Typical		
Modulation Depth	99% at 10 Hz 50% at 70 Hz		
Modeling Parameters			
Thermal Time Constant	20.0 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	0.80		
Spectral Range	1 - 20 microns		
Physical Parameters			
Average Lifetime, at 10 Hz, 50% duty cycle	100,000 hrs at 605 C 5,000 hrs at 750 C		
Package	TO-5, TO-39, 3 pin		



GENERAL TOLERANCE			
REVISION	DATE	NAME	
	19.02.07	Der	N
	19.02.07	Klup	Dr
			Titl
			ELEM
			AN



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