



Infrared Radiation Source JSIR360-6-AL-R-D6.0-0-0

Preliminary Datasheet

Fast radiation source with reflector for use with thermopiles and pyroelectric detectors in NDIR gas analysis and other applications.

Spectral Output Range ¹	typ. 1 ... 20	μm
Active Area	3.07	mm ²
Hot Resistant	10±2	Ω
Thermal Rise Time (t ₉₀)	40±5	ms
Thermal Fall Time (t ₁₀)	90±5	ms
Nominal Power Consumption	0.62±0.02	W
Operation Voltage ²	2.5±0.2	V
Operation Current ²	250±50	mA
Active Area Temperature ^{3,5}	500	°C
Window	-	
Mass	~1	g
Housing	T039 (modified)	
Lifetime ⁴	> 5 Years at 50% Duty Cycle	

¹ without window

² with 10Ω

³ at nominal power (0.62W)

⁴ at 10 Hz, 50% duty cycle, preliminary results

⁵ at T_{amb} = 25°C



MICRO-HYBRID



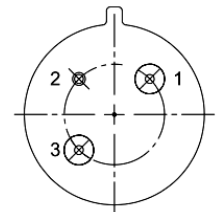
Pin Assignment

Bottom View

Pin 1 Power

Pin 2 Case

Pin 3 Power



The current data are based on simulations and tests. They are subject to change during the next evaluation steps.