Infrared Thin Film Radiation Source JSIR350-22-R

MICRO-HYBRID

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

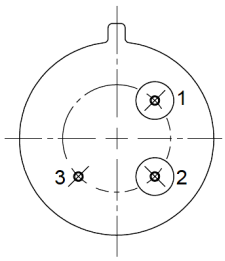
Spectral Output Range [1]	typ. 1 ... 20	µm
Active Area	2.2 x 2.2	mm²
Hot Resistant	50±15	Ω
Temperature Coefficient	typ. 100	ppm/K
Time Constant	typ. 17	ms
Nominal Power Consumption	0.8	W
Operation Voltage [2]	typ. 6.3	V
Operation Current [2]	typ. 126	mA
Active Area Temperature [3,5]	600	°C
Filling Gas	-	
Filter	-	
Mass	~1	g
Housing	TO39 (modified)	
Lifetime [4]	> 10,000 h at 700°C > 100,000 h at 600°C	

[1] without window
[2] with 50Ω
[3] at nominal power (0.8W)
[4] at 10 Hz, 50% duty cycle
[5] at T_{amb} = 25°C

Pin Assignment

Bottom View

Pin 1	Power
Pin 2	Power
Pin 3	Case



Absolute Max. Ratings		
Power	1	W
Housing temperature	200	°C
Active Area Temperature	750	°C

Ordering Information

6353.02-3.01

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

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LIVING MICROWORLDS.

September 19th 2012 – subject to change without notice

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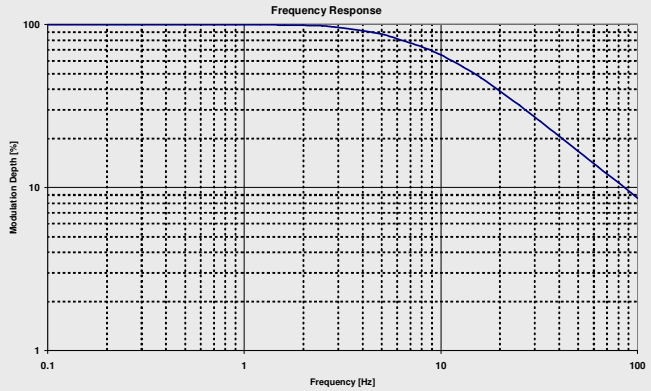
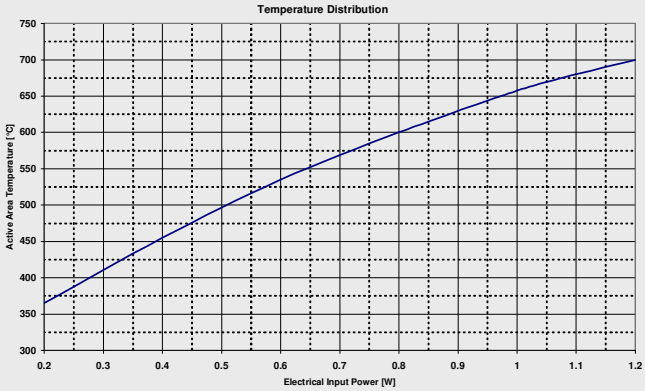
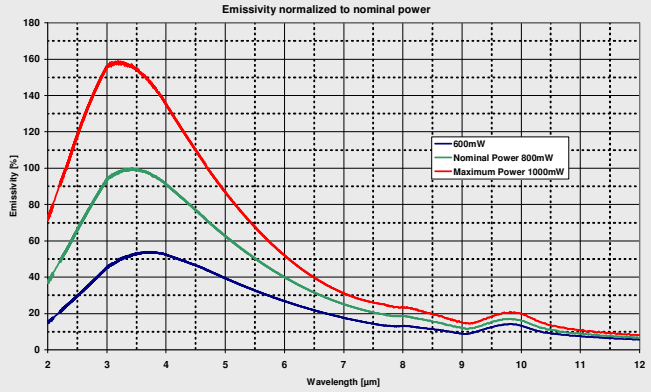
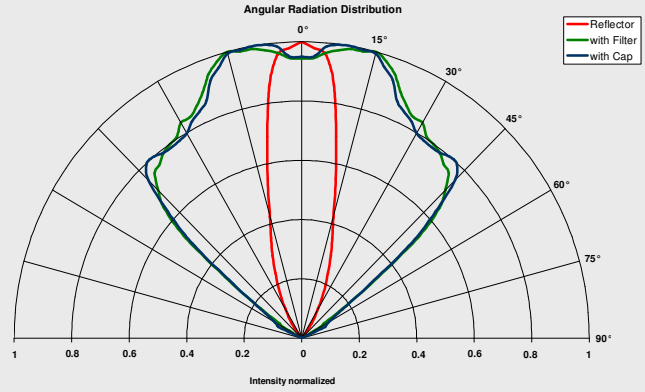
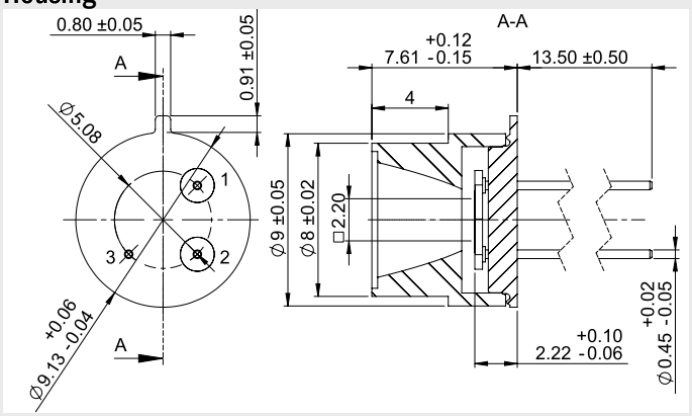


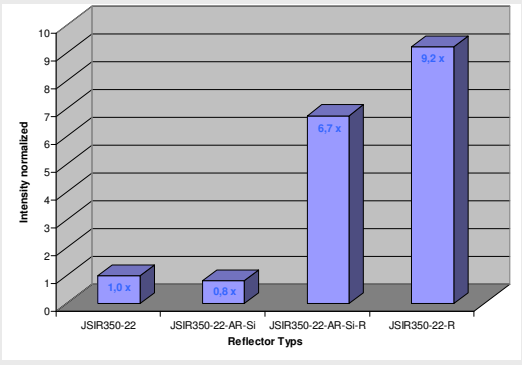






Housing





Optional parts

IR-Detector PS2x1C2- Pyroelectric dual-channel current mode detector CO_2/Ref
Art.-Nr. 4594.53-H.22

Evaluation Kit – For independent evaluation of emitters and detectors
Art.-Nr. 7206.01-A.00

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