



Electro Optical Components, Inc.

SUNSTAR传感器与控制网 <http://www.sensor-ic.com/> TEL: 0755-83376489 FAX: 0755-83376182 E-MAIL: szss20@163.com

5464 Skylane Boulevard, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

www.eoc-inc.com | info@eoc-inc.com

[Click to go to
Product Selector](#)

Infrared Spiral Wound Radiation Source JSIR450-R

Powerful radiation source with circular homogeneous temperature distribution for use with thermopiles and pyroelectric detectors in NDIR gas analysis and other applications.

Spectral Output Range ¹	typ. 0.8 ... 15	µm
Active Area	2.2 dia	mm ²
Hot Resistant	12±1	Ω
Time Constant	typ. 530	ms
Nominal Power Consumption	0.7	W
Operation Voltage ²	typ. 2.9	V
Operation Current ²	typ. 242	mA
Active Area Temperature ^{3,4}	650	°C
Filling Gas	-	
Filter	-	
Mass	~2	g
Housing	T039 (modified)	
Lifetime	> 50,000 h at 650 °C	

¹ without window

² with 12Ω

³ at nominal power (0.7W)

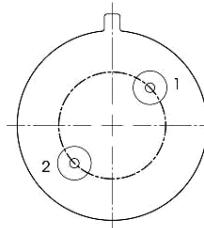
⁴ at T_{amb} = 25 °C



Pin Assignment

Bottom View

Pin 1 Power
Pin 2 Power



Absolute Max. Ratings

Power	1.7	W
Housing temperature	200	°C

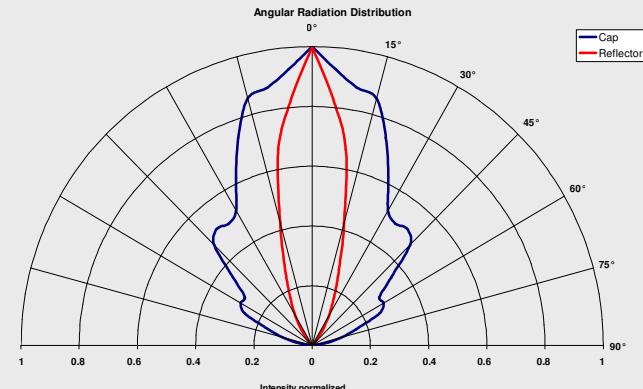
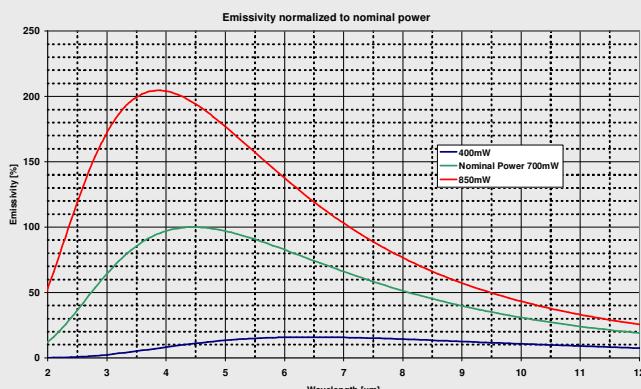
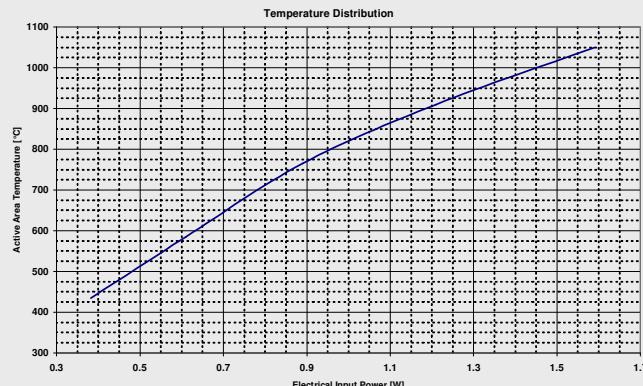
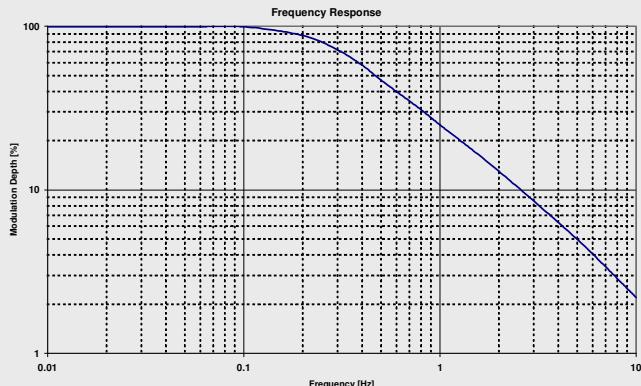
Ordering Information

JSIR450-R

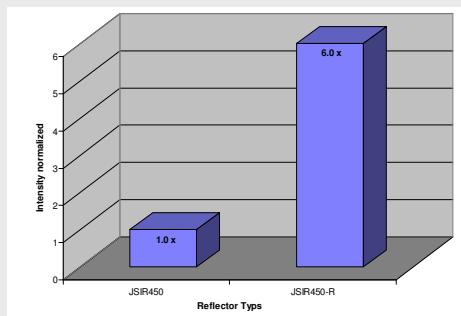
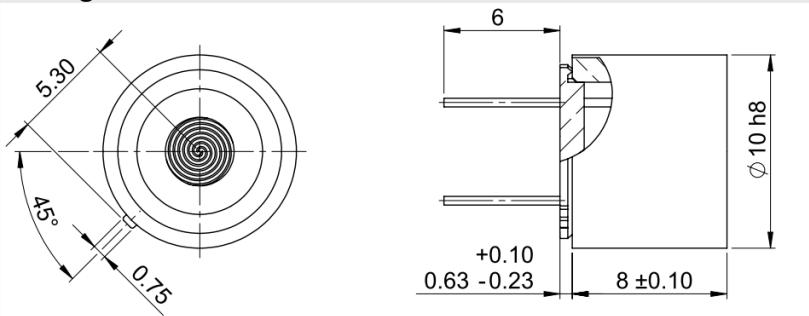
6350.11-3.01



Infrared Spiral Wound Radiation Source JSIR450-R



Housing



Optional parts

IR-Detector PS2x4V1- Pyroelectric dual-channel voltage mode detector CO₂/Ref
Art.-Nr. 4594.56-H.02

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