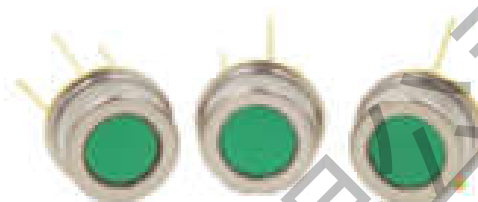


热释电红外探测器 Pyroelectric Infrared Detector

LVF001系列

产品概述

Flame detector
Single channel
T039 T039 housing
Voltage mode
JFET

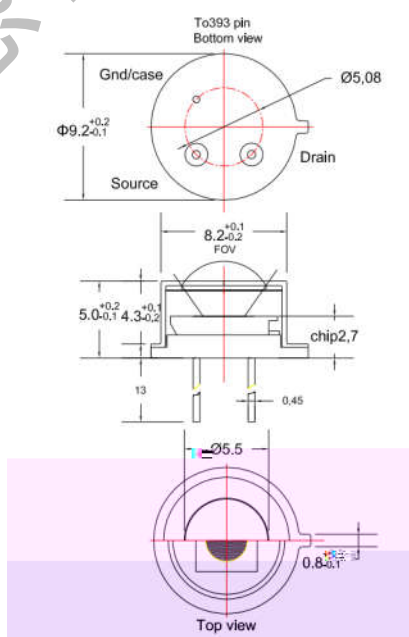


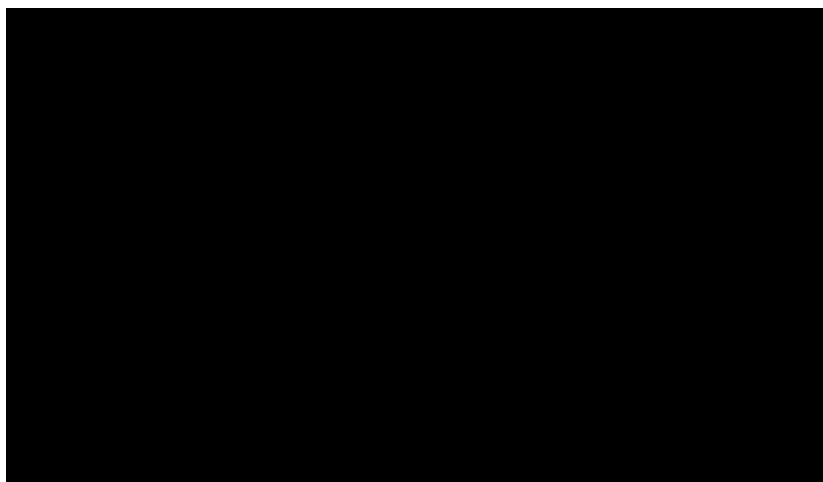
注意:

- 1.
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注意:

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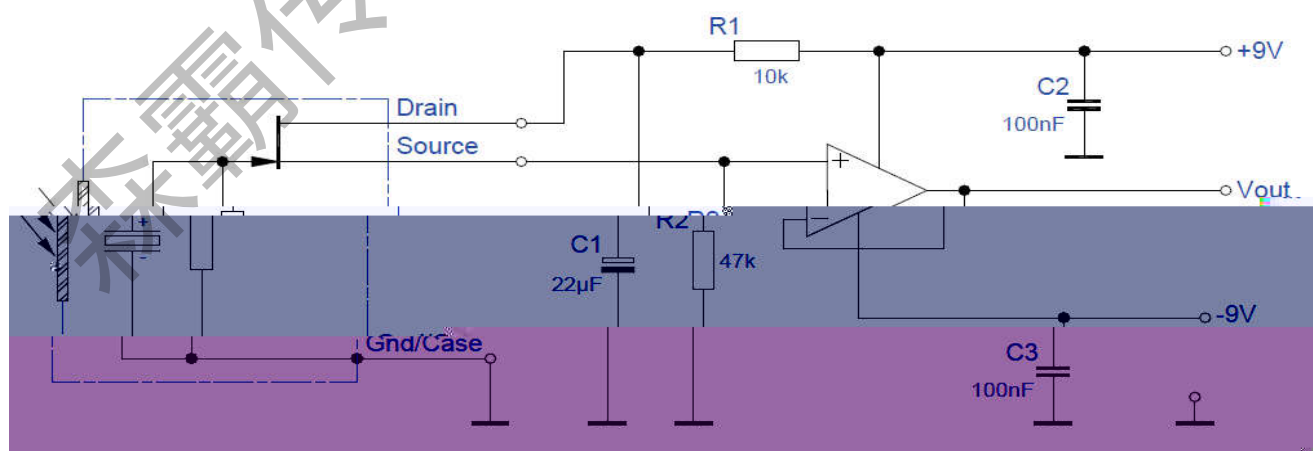




Typical Filters parameters and other parameters

can be customized according to the requirements

CWL	4400nm	3800nm	5300nm
HPB	450nm	140nm	180nm
Detector type	LVF001-I-01	LVF001-H-01	LVF001-D-01



Parameters			
Technical Specifications	Symbol	Typical value	Unit
Aperture size		Φ5.5	mm
Element size	A_s	Φ2.5	mm
Electrical time constant	τ_E	6.0	s
Thermal time constant	τ_T	200	ms
Offset voltage	V_s	0.4—0.8	V
Drain voltage	V_d	2-	V
Field of view & "H" Å&Å ÅÀ Å	$\theta = 2 \arctan \frac{A_s}{2f}$	±10°	°
Noise Voltage Density@10Hz	V_n	<170	nVrms/Hz
Voltage responsivity(without filter){500K,10Hz,25°C}			

4

The sensor can do normal work after the temperature is stable, for example, the residual temperature of a soldering iron , the residual temperature after aging, the residual temperature after hand touch, and the space from one temperature to another, and so on, may affect the temperature stability time of the sensor.

	http://www.nysenba.com
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