

热释电红外探测器 Pyroelectric Infrared Detector

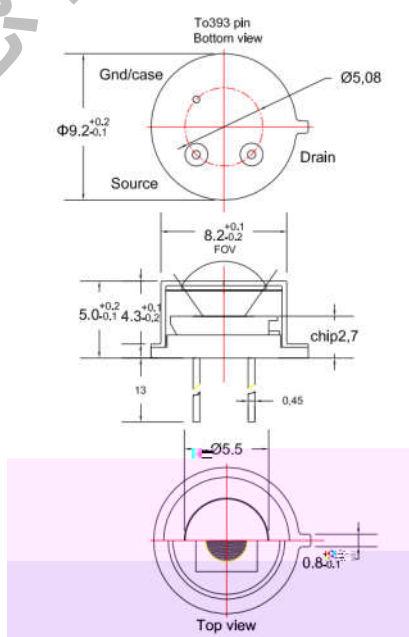
LVF001系列

产品概述

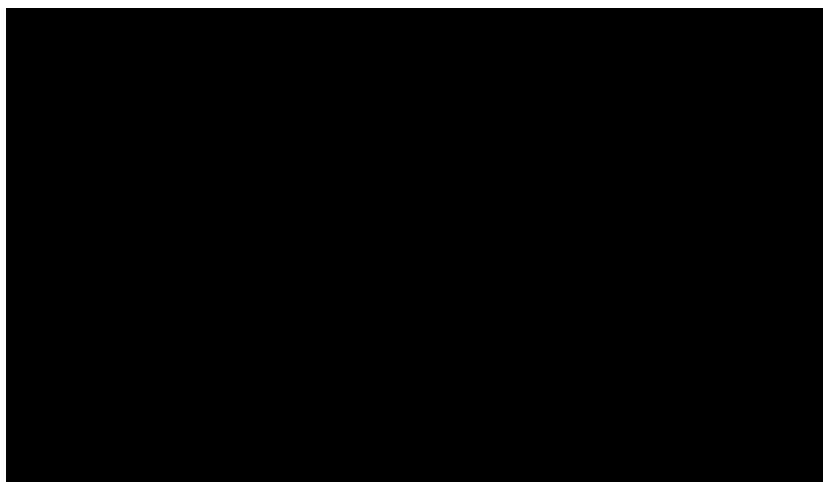


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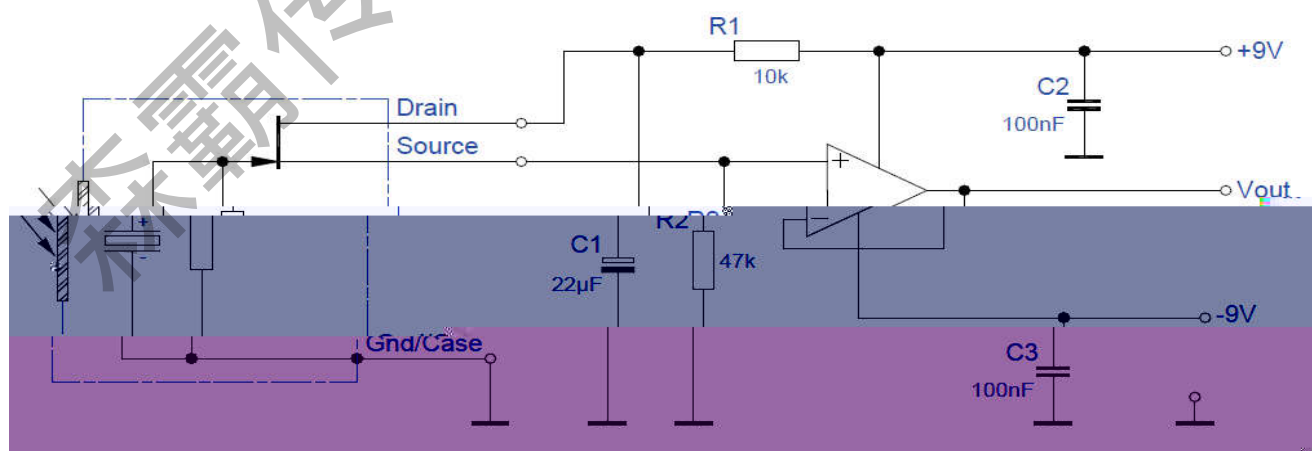


Typical Filters parameters and other parameters

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

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+ , - . Parameters			
/ 0 1 2 Technical Specifications	3 4 Symbol	5 6 7 Typical value	8 9 Unit
: ; ! " Aperture size		Φ5.5	mm
< = > ? ! " Element size	A_s	Φ2.5	mm
) @ A B . Electrical time constant	τ_E	6.0	s
C @ A B . Thermal time constant	τ_T	200	ms
D E F G # \$) H Offset voltage	V_s	0.4—0.8	V
# \$) H Drain voltage	V_d	2-	V
I J K Field of view	FOV	>110	
) H L M N O Noise Voltage Density@10Hz	V_n	<170	nVrms/Hz
) H P Q R S T : ; U Voltage responsivity(without filter){500K,10Hz,25°C}			
V W ' R S T : ; - C ^ -	!	- q U	)

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c d e f g	http://www.nysenba.com
h i j c d g	! " # \$ % &
k l j c d g	% ! !
m n o p g	
q r C s g	" ' () & # * ' +
t u v w > g	" ' * () ') * % +
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