热释电红外探测器 Pyroelectric Infrared Detector

LVF001系列

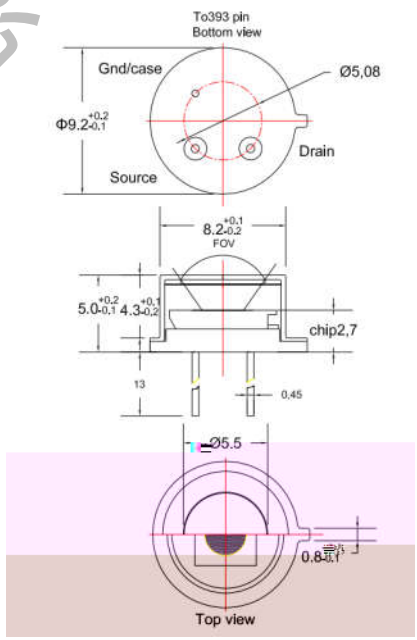
产品概述



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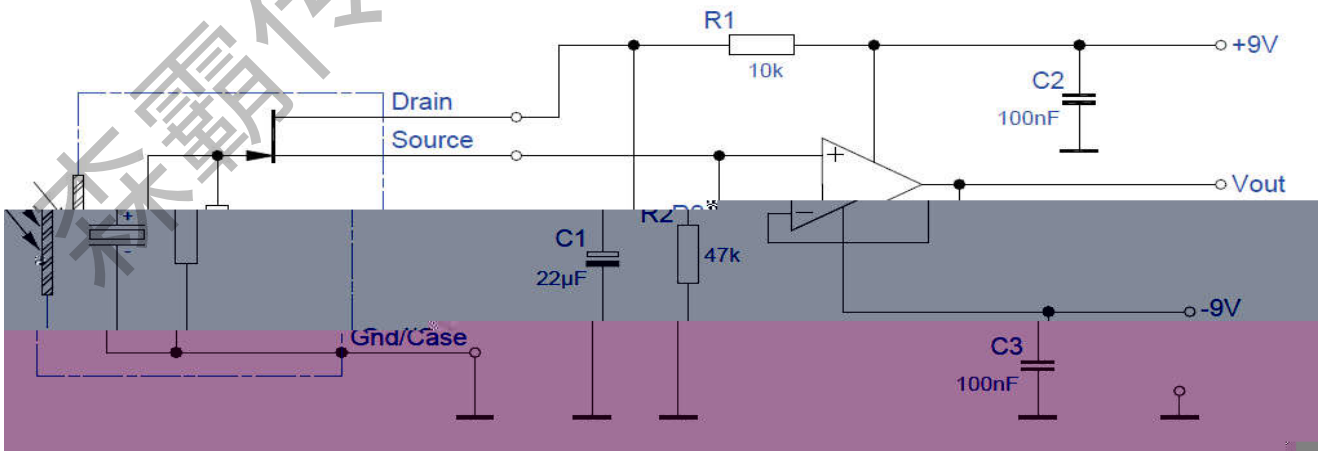
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, Typical Filters parameters and other parameters can be customized according to the requirements

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
	R_v	>500	V/W

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