

# 热释电红外探测器 Pyroelectric Infrared Detector

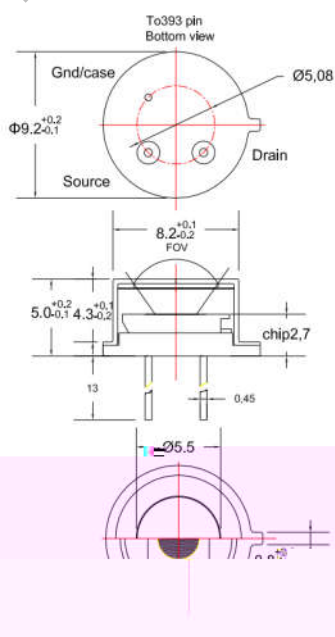
## LVF001系列

### 产品概述



注意:

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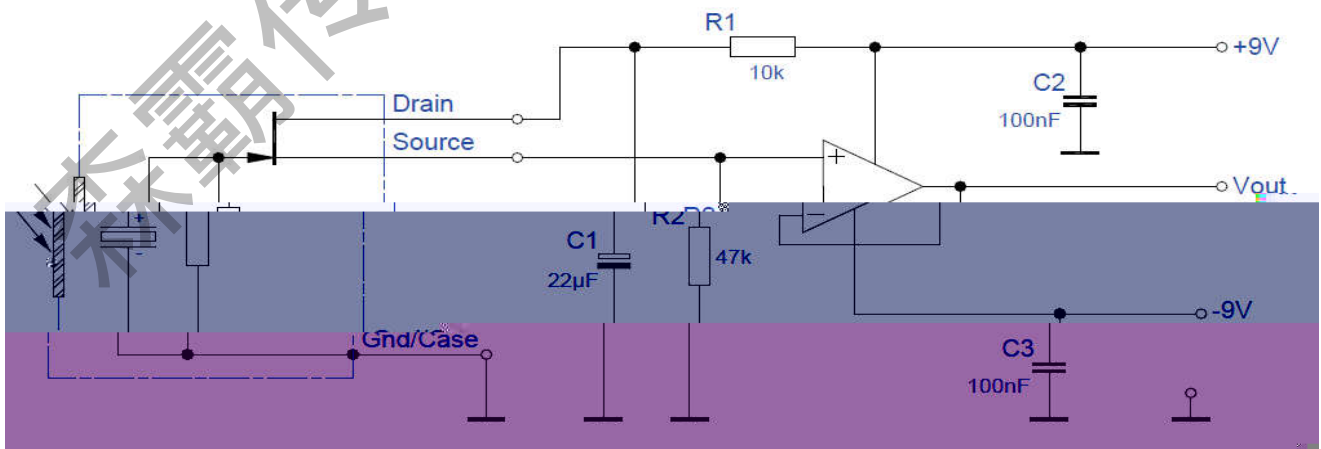


Typical Filters parameters and other parameters

can be customized according to the requirements

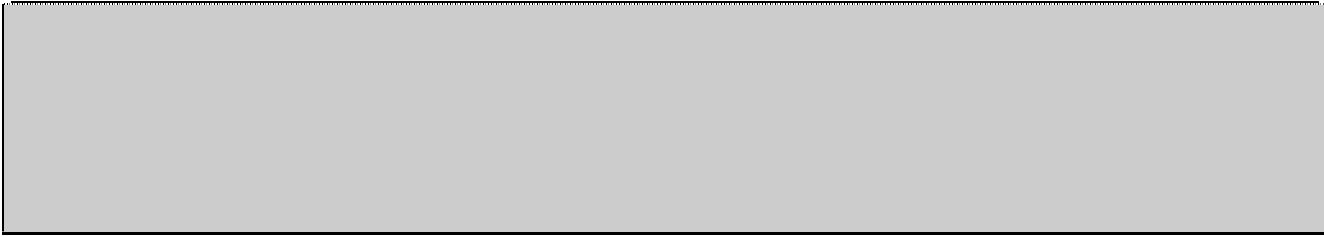
CWL	440nm	380nm	530nm
HPB	450nm	140nm	180nm
Detector type	LVF001-I-01	LVF001-H-01	LVF001-D-01

filter





Parameters			
Technical Specifications	Symbol	Typical value	Unit
Aperture size		5.5	mm
Element size	$A_s$	25	mm
Electrical time constant	$E$	60	s
Thermal time constant	$T$	200	ms
Offset voltage	$V_s$	0.4—0.8	V
Drain voltage	$V_d$	2-	V
Field of view	FOV	>110	
Noise Voltage Density@10Hz	$V_n$	<170	nVrms/Hz
Voltage responsivity(without filter){500K,10Hz,25°C}	$R_v$	>500	V/W
$\frac{V}{W}$			



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