^ ڹ ڛ ♬ ڕ ↄ ᴧ ᴜ ή ╨ ʜ

P xowl fkdqqho s|urhohfwulf Lqiuduhg ghwhfwru

OFI775 vhulhv

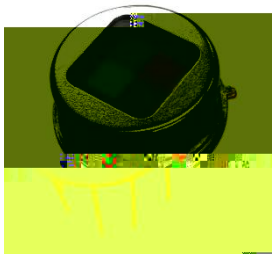
Description

ضم ’ TO8 ’ شي ’
ẽ’ ʏ ۾ ’
ʅ ʟ ’ ’
’ 47G ß ĩ ’

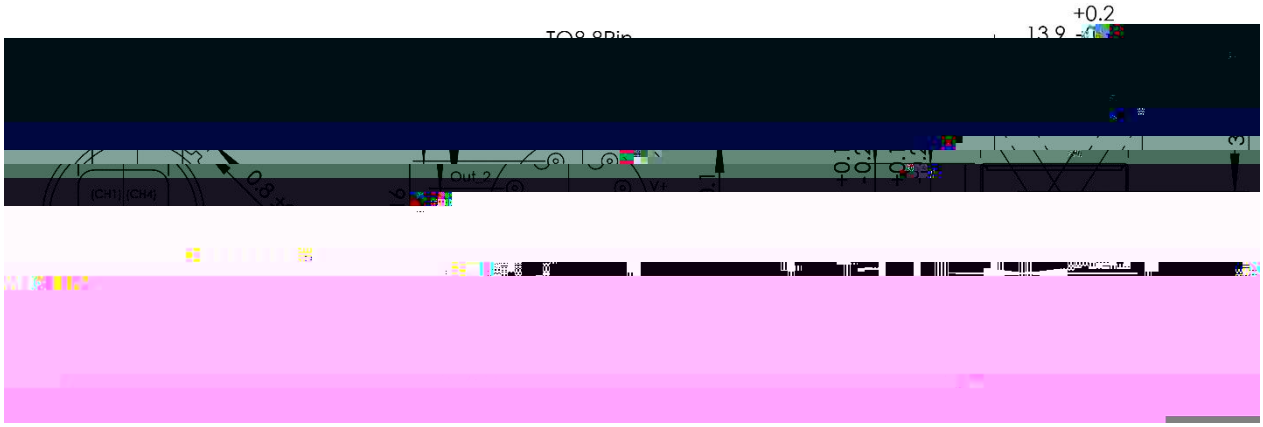
quad channel’ TO8 housing’ large FOV’
thermal compensation’ low microphone’
single power supply’ OpAmp’
current mode’ feedback 47 GOhm’

Application

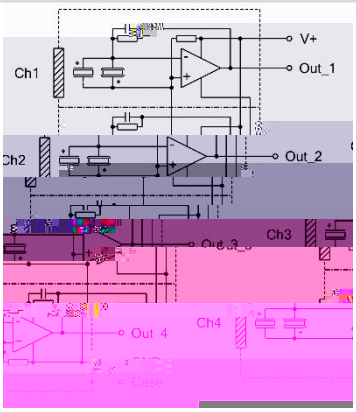
Flame Detection



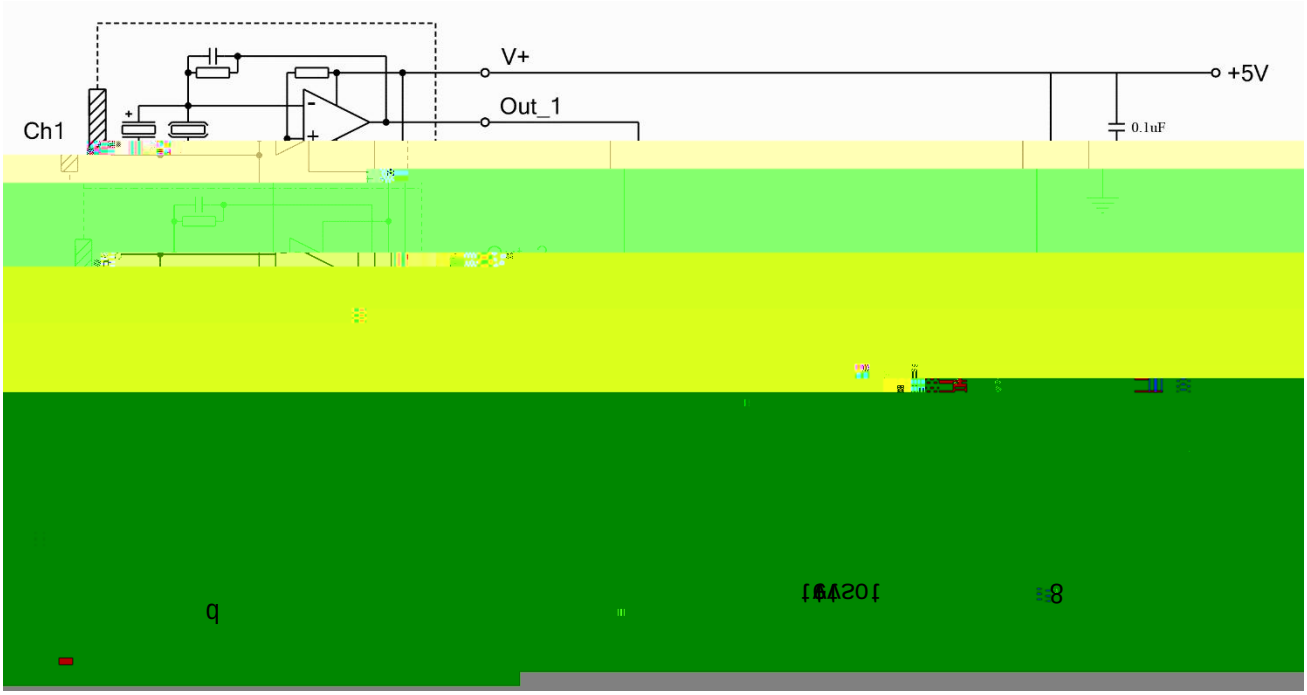
Housing



ṕ Pin Assignment



Test Circuit



ǎ Parameters

˄ ɜ Voltage responsivity(rms) @500 Ǩ 10 Hž 25Ņˇ without filter/window	min	35000V/W
ʆ Noise density (rms) @10 Hž BW 1 Hž 25Ņ	max	

Supply voltage V+ · GND	-	+2.2· +5.5V
Recommended supply voltage V+ · GND	nom	+5V
Supply current @output load 1 Mß	max	500 rA
Offset voltage @25Ņ' output load 1 Mß	-	1/2 V+ · GND
Optimal output load	nom	470 kß

Operating/Storage temperature	nom	-25 · +85 Ņ

Filter sizes	nom	Ǵ3mm
Aperture window/Sizes	nom	Sapphire 12.7mm
IR filter Ch1	nom	CWL 5.3ëm HPB 180nm Si
IR filter Ch2	nom	CWL 4.48ëm HPB 450nm Si
IR filter Ch3	nom	CWL 3.85ëm HPB 180nm Si
IR filter Ch4	nom	CWL 2.7ëm HPB 180nm Si
FOV	min	65£

Note: Due to technological progress and process improvement, the above parameters are subject to change without prior notice.

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