^ ڹ ڑ ♬ ڕ ڋ ^ ᑭ ᒪ ᑎ

P xowl fkdqqho s|urhohfwulf Lqiuduhg ghwhfwru

OFI775 vhulhv

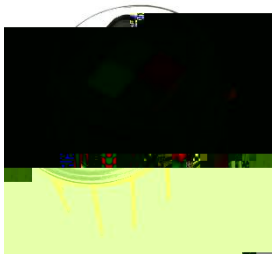
Description

ضم ’ TO8 ’ شي ’
ẽ’ ۷ ۾ ’
۱ ʟ ’ ’
’ 47G ß ĩ ’

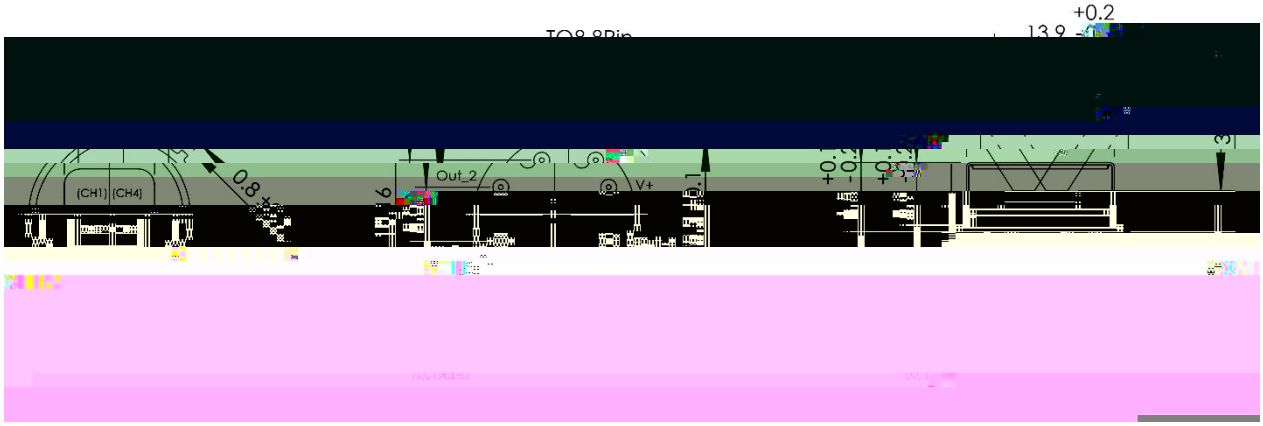
quad channel’ TO8 housing’ large FOV’
thermal compensation’ low microphone’
single power supply’ OpAmp’
current mode’ feedback 47 GOhm’

Application

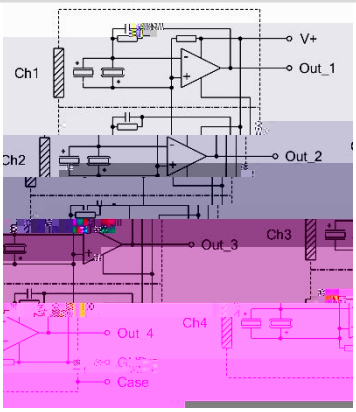
Flame Detection



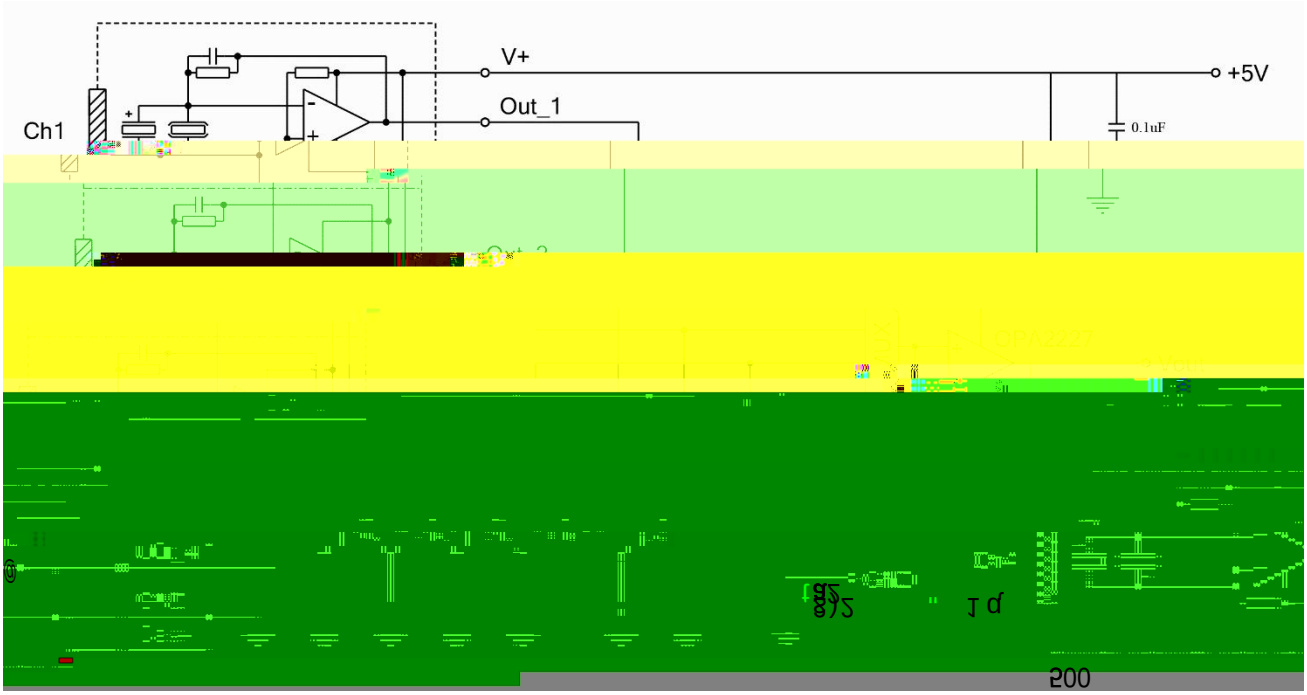
Housing



ṕ Pin Assignment



Test Circuit



ǎ Parameters

ʌ 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	

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

ƀ / Ũ Operating/Storage temperature	nom	-25 ˙ +85 Ņ

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

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

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