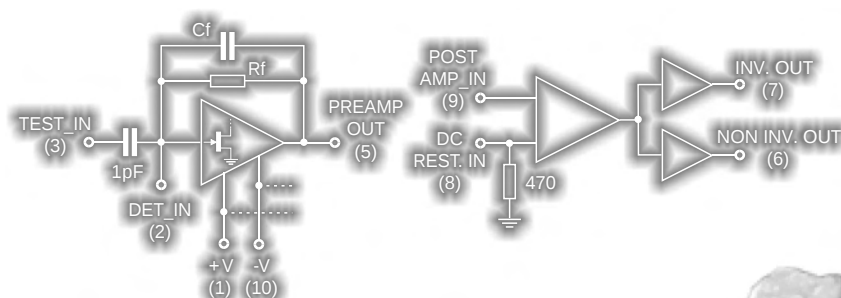


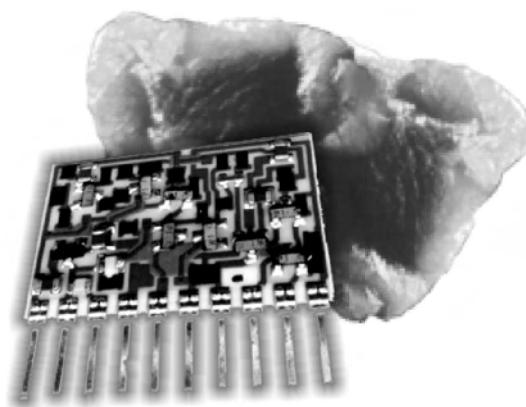
Low Noise FET Input Preamplifier

1 FCD-A



Pin-out

- 1) +V
- 2) DETECTOR INPUT
- 3) TEST INPUT
- 4) GROUND
- 5) PREAMPLIFIER OUTPUT
- 6) NON INV. OUTPUT
- 7) INV. OUTPUT
- 8) DC RESTORED INPUT
- 9) POST AMPLIFIER INPUT
- 10) -V



Information subject to change without notice

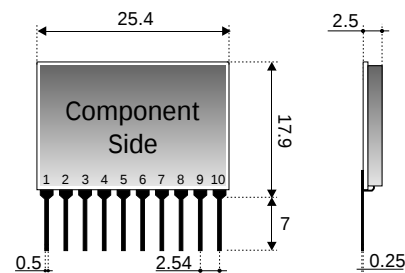
Description

Single channel, low noise FET input preamplifier.
 High counting rate capability.
 Adjustable conversion factor and differential output.
 Very low power consumption.
 Attractive for long drive of twisted pair .
 Very low cost system .

Descrizione

Preamplificatore a singolo canale con ingresso a FET di basso rumore.
 Alta velocità di conteggio.
 Fattore di conversione regolabile ed uscite differenziate.
 Sistema a basso costo e basso consumo.

Mechanical Dimensions



Technical Specification

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _s	Supply Voltage • Alimentazione	-6		+6	Vdc
P _s	Power Consumption • Consumo		180		mW
F _c	Conversion Factor • Fattore di Conversione		1		V/pC
N _i	Noise • Rumore			200	e
Z _i	Input Impedance • Impedenza d'ingresso		10		Ω
T _r	Rise Time • Tempo di Risalita		150		nS
S _o	Output Swing • Uscita		± 180		mV
T _{op}	Operating temperature range • Temperatura di lavoro	-20		+80	°C