
THE COMPANY
THAT INVENTED
BI-FET
HAS JUST
OBSOLETED IT.

POW!! THE LASER AGE IS HERE! INTRODUCING BI-FET II™

If you've been reading our ads (and shame on you if you haven't) you know that just a few months ago we told you how "the early bird catches the worm" and "practice makes perfect."

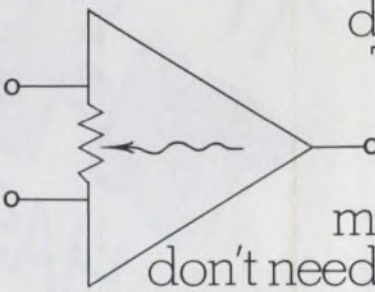
Our point was that our extra years in the BI-FET business have given us the experience to be able to develop better BI-FET products than the Johnny-come-lately's.

That should be abundantly evident now.

OP AMP REVAMP

Introducing National's unique (and besides that, nobody else has got it) new laser trimmed op amps, BI-FET II. A technology so advanced it puts the original BI-FET in the rumble-seat along with racoon coats.

Laser trimming reduces amplifier offset voltage dramatically. To as low as 0.5 mV. Which means you don't need an external offset zeroing potentiometer anymore.



Or so many components.

Or so much money. (BI-FET II costs less than ordinary op amp plus potentiometer and extra assembly time.)

Or so much worry about reliability.

Other tidbits too good to keep to ourselves include 30 pA typical input current, the lowest noise in the industry, slew rate of 12V/us, and band width of 5 MHz.

BUCK ROGERS WOULD BE PLEASED

He had his ray gun. We have our laser.

The trimming is done with a krypton pumped, Q switched YAG laser.

This advanced technology process results not only in better performance but also permits NSC to provide the best specs/dollar available anywhere.

THE SUPERSTAR OF OP AMPS

The top of the line of BI-FET II is a pair of op amps with really remarkable specs. LFT356H ($12.00) features an offset voltage (max) of only 1 mV. And LFT356AH ($15.00) takes that even a step further. 0.5 mV.

Those are the lowest offset voltage devices you can buy.

Need more convincing?

Offset voltage drift, only 5 uV/°C guaranteed maximum.

Noise, just 12 nV/$\sqrt{\text{Hz}}$.

And these Cadillacs of op amps also feature a special output stage which enables them to drive high capacitance loads directly. Which makes LFT356 even better than before. Even better than bipolar.

You just can't get performance like that at prices like that anywhere else in the universe. Ditto the balance of our line.

MORE GREAT BI-FET II STUFF

Singles	Price	Offset Voltage (max)
LFT351N	.39 (!)	10 mV
LFT351BN	.75	5 mV
LFT351AN	2.50	2 mV
Duals		
LFT353N	.90	10 mV
LFT353BN	1.30	5 mV
LFT353AN	4.25	2 mV
Quads		
LFT347N	1.25	10 mV
LFT347BN	1.95	5 mV
LFT347AN	6.50	2 mV

DO YOU GET THE IMPRESSION THAT NATIONAL LEADS IN LINEAR?

We would find that pretty hard to argue with.

National Semiconductor
2900 Semiconductor Drive
Santa Clara, CA 95051

☐ Please send your free brochure about laser trimmed BI-FET II op amps.

☐ Enclosed is $4.00; please send your fact-packed 968-page Linear Data Book.

Name _____ Title _____

Company _____

Address _____

City _____ State _____ Zip _____

National Semiconductor
The Linear Leader