25 winners in our collection of op art

nobody, but nobody makes more discrete op amps than Philbrick/Nexus

Philbrick/Nexus is avant-garde in operational amplifiers. Covers the spectrum of op amp capabilities — from mini-cost to maxi-performance. Standard products, as well as mixed products, match your needs economically. Use them. They'll color *you* bright. Op art masterpieces like these are but a few of the total Philbrick/Nexus exhibit:

Economy Grade

SQ-10A — MINI-PRICED, but a top performer in general purpose applications. Only $10.50 each in hundred quantities.

QFT-5 — LOWEST PRICED FET. General-purpose performance, low leakage. Only $15 each by the hundred.

1009 — LOW COST, HIGH PERFORMANCE FET. Input impedance 10^{12} ohms. Input bias current 5 pA. Priced at $20.50 each in quantities of 100.

General Purpose

CIA-2 — LOW PROFILE, HIGH PERFORMANCE. Thick-film hybrid, 80,000 gain, ±5μV/°C input voltage offset.

SQ16 — HIGH PERFORMANCE. Gain 150,000, ±5mA guaranteed minimum output at ±11 volts. Low noise, 1μV rms broadband.

Q102A — ULTRA-HIGH PERFORMANCE. Gain 200,000, ±2μV/°C input voltage offset typical at −25 to +85°C. Internally trimmed to 0.5mV max.

QFT-2 — TOP-GRADE PERFORMER. Gain 200,000, slew rate 10V/μsec, 10 pA input bias current.

Q103A — HIGH INPUT IMPEDANCE, LOW BIAS CURRENT. Input voltage offset ±2μV/°C. Only $25.50 each by the hundred.

High Reliability

Q10A — ALL-PURPOSE TOP-GRADE. −55°C to 100°C operating temperature range.

P65A — PREMIUM GRADE. Wide application usage, proven performance, low broadband noise 1μV.

CDA-3A — PROVEN PERFORMANCE. Input bias current 1nA, differential input resistance 2 megohms.

Q25AH — WIDEBAND FET HYBRID. 600,000 hours of operation with no failures. Small size TO-8 package, hermetically sealed.

Wide Band

PP45U — 100 MHz BANDWIDTH. Slew rate 200V/μsec. Excellent for broadband inverter applications.

1016 — FAST, HIGH POWER. fp>1 MHz. Full output of ±10V, ±100 mA to 1 MHz. CMRR 100,000. E_{os} T.C. is 10μV/°C. A_o at 750,000.

1011 — LOW PROFILE, FAST SETTLING TIME FET. 15 MHz bandwidth, slew rate 70V/μsec. Delivers ±11.5V output. Settles in 1.5 μsec to .01%, 0.4 inches high max.

Universal

ESL-1 — WIDE SUPPLY VOLTAGE RANGE, ±8 to ±16V. CMRR 1,000,000:1, common mode input resistance 1.5 G ohms.

USL-1C — HIGH STABILITY. Wide range of supply voltages from ±8 to ±26V. Input voltage offset ±1μV/°C. Low drift.

High Voltage

MLF-100 — ±100 VOLT OUTPUT at 10mA. FET input amplifier. Short circuit protected.

Micro-Power / Low Voltage

Q-200A — BATTERY OPERATED. ±50μA quiescent drain. Ideal for OEM battery operated and airborne instrumentation.

1402 — MICROCIRCUIT FET HYBRID. Bias current 5pA. Input impedance 10^{12} ohms. Output ±14V, ±5mA. Supply voltage from ±4 to ±24V. Quiescent current ±0.5mA. In TO-8 case, hermetically sealed.

High Performance

1003 — LOW-NOISE FET. 3,000,000:1 CMRR ±1μV/°C input offset voltage +10°C to +60°C. Uses hermetically sealed active components.

1700 — LONG-TERM STABILITY. Input voltage offset ±0.15μV/°C. Full output to 1.2 MHz. Gain 10^9. Long-term stability .2μV per day.

1018 — ULTRA-LOW DRIFT. Gain 1.5 meg E_{os} 0.5μV/°C and I_{bias} .02nA/°C.

Monolithic IC's

S-52 — LOW, LOW COST IC. Easy to stabilize. Dual in-line package. $5 each in quantity.

T-52 — A REAL BUY. Same as S-52, but in TO-5 package. Same low price.

Your Best-Of-Show selection brings with it, at no extra cost and available nowhere else — unequalled integrity resulting from superb artistry in things analog. For other op amp prize winners, too numerous to mention, contact your Philbrick/Nexus sales representative for complete specifications, prices and applications assistance. Or write, Philbrick/Nexus Research, 35 Allied Drive at Route 128, Dedham, Massachusetts 02026.

PHILBRICK/NEXUS RESEARCH

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