25 winners in our collection of op art

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 your budget. 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 0.5µV 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 megarhms.

**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. ip>1 MHz. Full output of ±10V, ±100 mA to 1 MHz. CMRR 100,000. Eo, T.C. is 10µV/°C. As 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 10^14 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.

**T700** — LONG-TERM STABILITY. Input voltage offset ±0.15µV/°C. Full output to 1.2 MHz. Gain 10^9. Long-term stability ±µV per day.

**1018** — ULTRA-LOW DRIFT. Gain 1.5 meg Eo, 0.5µV/°C and Imax ,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.