








TABOR ELECTRONICS AMPLIFIERS - ENHANCED PERFORMANCE AT EXCELLENT PRICE

| TYPE | High Voltage Amplifier | | | High Frequency | | | RF Amplifier |
|------------------------|--|--|--|--|---|---|---|
| MODEL NUMBER | MODEL 9100 9200 | MODEL 9100A 9200A | MODEL 9400 | MODEL 9250 | MODEL 9260 | MODEL A10160 | MODEL A10200 |
| PRODUCT IMAGE |  |  |  |  |  |  |  |
| TYPE | General Purpose, Wide band High Voltage Amplifier | General Purpose, Wide band High Voltage Amplifier | General Purpose, Wide band High Voltage Amplifier | High Frequency, low distortion signal Amplifier | High Frequency, High current, low distortion signal Amplifier | High Frequency Amplifier, High Current | High Frequency, High Power |
| COMPATIBLE WITH | Waveform Generator or Pulse Generator from Any make - Tabor, Keysight, Tektronics, Rohde & Schwarz, Gwinstek, Rigol, Siglent, B K Precision etc. | | | High Speed Waveform Generator or Pulse Generator from Any make - Tabor, Keysight, Tektronics, Rohde & Schwarz, Gwinstek, Rigol, Siglent, B K Precision etc. | | | Signal Source of any make: Tabor, Keysight, R&S, Rigol, Siglent etc. |
| CHANNEL | 1 2 ch | 1 2 ch | 4 ch | 2 single ch or 1 differential | 2 single ch or 1 differential | 1 ch | 1 ch |
| LARGE SIGNAL BANDWIDTH | DC to >500kHz | DC to >500kHz | DC to >500kHz | DC to 15MHz | DC to 30MHz | DC to 45MHz | Frequency: 100 KHz to 20 GHZ |
| SMALL SIGNAL BANDWIDTH | 1.5 MHz | 1.5 MHz | 1.5 MHz | 30 MHz | 45 MHz | | RF connector 2.92 mm (K) |
| VOLTAGE OUTPUT | 300Vp-p | 400Vp-p | 400Vp-p | 40Vp-p | 34Vp-p into 50Ω | 34Vp-p into 50Ω | Power: +30 dBm into 50Ω |
| OUTPUT CURRENT | 150mA 100 mA | 125mA 100mA | 50mA | 200mA | 1A | 1A | Noise Figure: 9 dB |
| TRANSITION TIME | < 1.5μs | < 1μs | < 1μs | < 22ns | <10ns | <10ns | Reverse isolation: 50dB typ. (40 dB Min) |
| POWER | 60W | 120W | 120W | 25W | 25W | 20W | input return loss: 14 dB typ (11dB min) |
| SLEW RATE | 200V/μs | 400V/μs | 400V/μs | 500V/μs | | 400V/μs | output return loss: 12 dB typ (8dB min) |
| INPUT IMPEDANCE | 1MΩ, DC coupled | 1MΩ | 1MΩ | 50Ω/ 75Ω/ 1MΩ | 50Ω/ 75Ω/ 1MΩ | 50Ω | P1dB: 27dBm |
| OUTPUT IMPEDANCE | 0.1Ω, DC coupled | 0.1Ω | 0.1Ω | 50Ω/ 75Ω/ 600Ω | 2.5Ω/ 50Ω/ 75Ω | 2.5Ω | RF input power: 27dBm max |
| GAIN | X15 fixed (optional X10 or X20) | X50 fixed (custom gain upon request) | X50 fixed(custom gain upon request) | 10X fixed (or Custom) | 10X (or Custom) | X10, fixed (X15 optional) | Gain in dB: (typ) 100kHz to 100MHz: 12 100MHz to 3GHz:12.5 3GHz to 9GHz: 10 9GHz to 20GHz: 8 |
| FORM FACTOR | Bench top | Bench top | Bench top | Bench top | Bench top | Small footprint, all metal case | Small footprint |
| FEATURES | Custom configuration: Gain Signal ground | Special Unipolar Mode for MEMS engine drivers (9200A) | Special Unipolar Mode for MEMS engine drivers | Custom configuration: Gain Input Impedance Output Impedance Output configuration | Custom configuration: Gain Input Impedance Output configuration | Custom configuration: Gain | Features - Reverse polarity protection ; over under voltage protection |
| COMMON APPLICATIONS | Control & Automation: Generate MEMS control signals Piezo transducer discs Micro – comb – array actuators Education & Research: Generating Oscillating electric fields Automotive & Transport: Underwater Sonar transducers Generate MEMS control signals | Control & Automation: Generate MEMS control signals Automotive & Transport: engine control unit simulations Generate MEMS control signals Industrial & Power: Three phase power simulations | Special Unipolar Mode for MEMS engine drivers | Magnetic transducer testing Railway test system | Automotive & Transport: engine control unit simulations Industrial & Power: Three phase power simulations Serial testing & Digital Design: Test MilBus- Network characteristics | Serial testing & Digital Design: Manchester coding | Receiver testing, multi-tone testing in wireless communication, broadcasting, radar systems, and other RF applications, general electronics, and scientific application |
| USER INDUSTRY | Educational Universities and Colleges, Research organization, Healthcare Equipment Manufacturers, Defence, Automotive, Aerospace Industry, Electronics Manufacturers, Power, RF and Wireless Industry | | | | | | |