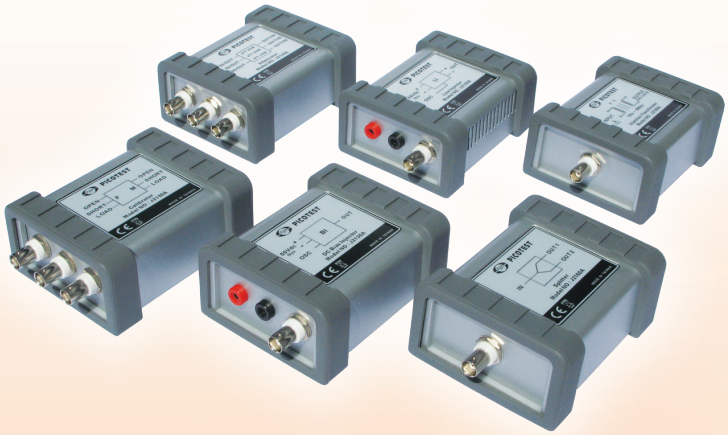
Picotest has introduced a new line of Signal Injectors that enable "hi-resolution" voltage regulator and power supply measurements. Our line of Signal Injectors is the most versatile and sophisticated set of test adapters ever developed. They are an essential part of getting the most out of your network and impedance analyzers whether you are measuring power supplies, regulators, other linear circuitry or components. If you are making stability, step load, noise, PSRR, PDN, EMI, reverse transfer, crosstalk, impedance (power supplies, opamps, ESR, DCR, batteries), or DC Bias effect measurements (inductors, opto-couplers, diodes), then you need to be using Picotest Signal Injectors to get the most out of every measurement. The Picotest line of Signal Injectors can be used with any manufacturer's oscilloscope, network analyzer, or spectrum analyzer.



J2100A/J2101A 1Hz-5MHz/10Hz-45MHz Injection Transformers

- High quality, wide bandwidth, vastly superior to audio/video transformer solutions
- J2100A supports PFC regulators & most power supplies
- Supports 5 Ohm termination for minimum impact to loop
- 10Hz supports off-line power supplies
- 45MHz high enough for state of the art, high bandwidth regulators
- Low distortion for superior precision

J2110A DC-45MHz Solid State Voltage Injector (Bode Box)

- DC-45MHz, supports high performance low noise wideband applications
- Low distortion for superior precision
- 25 Ohm insertion resistance
- 50 Ohm oscillator input
- < 3uA typical bias current
- >2 MΩ typical Input Resistance
- High PSRR Low Noise Regulator with Universal input
- Non-Mixing front end perfect for IMD injection

J2111A/J2112A DC-40MHz Solid State Current Injector

- High PSRR Low Noise Regulator with Universal input
- 20nSec typical rise and fall time
- DC-40MHz usable range (interconnection dependent)
- Two Quadrant Bipolar operation works with positive outputs (positive and negative outputs - J2111A only)
- Better than 1uA resolution
- Built in offset for use with Network Analyzer
- Precision current monitor with 50 Ohm output
- Works with Arbitrary Waveform Generators, Function Generators and Network Analyzers
- Low (100mA) and High Current (1A) versions

J2120A Line Injector

- Easily measure PSRR, Ripple Rejection and Conducted Susceptibility
- 10Hz-10MHz usable bandwidth
- Low loss design, 5 Amps maximum current
- 50VDC max input
- Vastly superior to an injection transformer which can saturate during line measurements

J2130A DC Bias Injector

- 10Hz-10MHz usable bandwidth; Low loss design
- Measure capacitor voltage sensitivity
- Easily measure varactors, junction capacitance
- Bias low power transistor amplifiers and diodes for parameter extraction
- Provides AC coupling for Spectrum Analyzer inputs

J2140A 10dB/20dB/40dB Cascadable Attenuators

- Integrated unit includes 40dB, 20dB and 10dB
- Cascadable for greater attenuation
- Improve noise floor and ensure small-signal measurements

J2180A Preamplifier

- Provides a fixed, AC coupled 20dB gain while converting a 1 MOhm input impedance to a 50 Ohm output impedance
- With a 3dB bandwidth of 0.1Hz to 100MHz, the preamplifier improves the sensitivity of oscilloscopes, network analyzers and spectrum analyzers
- Works with all scopes, spectrum analyzers and VNAs
- Active DC bias loop maintains low DC output voltage
- High input impedance compatible with typical probes to minimize circuit loading
- Improves effective noise floor and spurious responses

J2190A Active Filter

- 0.1Hz-10Hz, 4th Order Filter
- Low Pass and Cascadable, Very low noise

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