



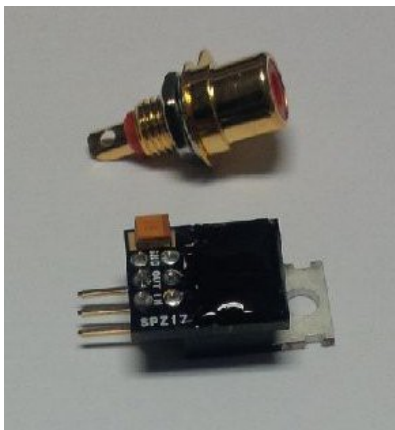
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FOR IMMEDIATE RELEASE

Belleson LLC announces SPZ 3A Linear Regulator

Greer, SC, August 25, 2016 — Belleson LLC, a manufacturer of high performance voltage regulators, today officially announces the addition of the SPZ to its line of Superpower linear voltage regulators. SPZ is a small, high current voltage regulator with fixed output voltage from 3.3V to 30V and output current to 3A.

SPZ has noise less than 1ppm/V of output voltage, where a 12V output device has less than $10\mu\text{V}_{\text{RMS}}$ noise from 20Hz to 20kHz. SPZ delivers 3A with positive or negative versions at output voltage of 3.3V to 30V. Power supply ripple rejection is 110dB at power line frequencies and above 90dB at 50KHz.



The patented design (U.S. Patent 8,294,440) has reference and loop amplifier circuitry that is self powered by its own regulated output voltage. It uses an integral floating current reference that allows output voltage to be set with a single resistor. A quiet, fast and stable internal difference circuit keeps output impedance below $10\text{m}\Omega$ beyond 50KHz and total audio noise at or below 1PPM of V_{out} . Output dynamic step response of these series regulators rivals or betters that of shunt regulated and battery supplies. Drop out voltage is a low 1.5V at 3A output current. SPZ has a physical form factor approximately the same as a monolithic regulator, with a TO-220 output transistor that can be heat sinked or chassis mounted.

SPZ are designed for high performance power to circuits requiring medium voltage, high current, low noise and fast transient performance such as high end consumer audio gear, professional audio equipment, communications products, receivers, power amplifiers, mixers, digital audio workstations. A white paper discussing operation and performance can be found at http://www.belleson.com/download/BellesonSP_wp.pdf

SPZ is available with industry standard pin footprints of LM78xx, LM79xx, LM317 or LM337. It is available at fixed output values between 3.3V and 30V, positive or negative. Other high performance Belleson regulators are available with output voltage from 1.2V to 400V and current from 225mA to 10A. Data sheet and performance information can be found at <http://www.belleson.com/> and order information is available at 864 444 9953 or sales@belleson.com. Samples are available immediately and large quantities are available with sufficient lead time. The design is also available as a custom regulator to fit your application.

About Belleson LLC

Belleson LLC, based in Greer SC USA, designs and manufactures high performance voltage regulators that are in use around the globe since 2010.