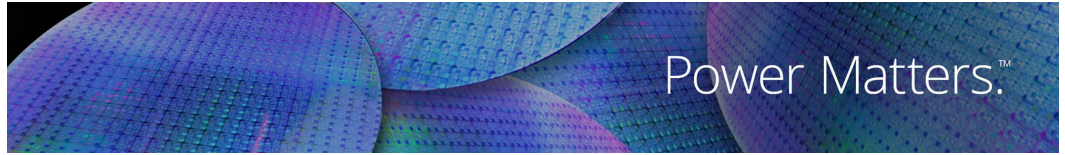


POWER MANAGEMENT

- ▶ Drivers, High-Side
- ▶ FET Drivers, Low-Side
- ▶ Linear Regulators
- ▶ LED Drivers
- ▶ Motor and Fan Controllers
- ▶ Resonant Mode (LLC) Controllers
- ▶ Solar Bypass Devices
- ▶ Supervisory Circuits and Voltage References
- ▶ Switching Regulators
- ▶ Reverse Power Feed (RPF)
- ▶ Legacy Power Management
- ▶ Smart E-Fuse Devices
- ▶ Space-grade Power Management



Home / Military-grade Devices / High-Reliability Power Management / High-Reliability Linear Regulators / SG7905, SG7905A, SG7906A, SG7912, SG7912A, SG7915, SG7915A / SG7905AG-DESC (#74322)

SG7905AG-DESC (#74322)

Product Status

In Production

- Overview Resources Diagrams Ordering Support

Cross reference to 5962-8874601TA, 5962-8874601, 8874601

Key Features: • Output voltage set internally to $\pm 1.5\%$ on SG7900A • Output current to 1.5A • Excellent line and load regulation • Foldback current limiting • Thermal overload protection • Voltages available: -5V, -12V, -15V • Contact factory for other voltage options • Available in surface mount package The SG7900A/SG7900 series of negative regulators offer self-contained, fixed-voltage capability with up to 1.5A of load current. With a variety of output voltages and four package options this regulator series is an optimum complement to the SG7800A/SG7800, SG140 line of three terminal regulators. These units feature a unique band gap reference which allows the SG7900A series to be specified with an output voltage tolerance of $\pm 1.5\%$. The SG7900A versions also offer much improved line regulation characteristics. All protective features of thermal shutdown, current limiting, and safe-area control have been designed into these units and since these regulators require only a single output capacitor (SG7900 series) or a capacitor and 5mA minimum load (SG120 series) for satisfactory performance, ease of application is assured. Although designed as fixed-voltage regulators, the output voltage can be increased through the use of a simple voltage divider. The low quiescent drain current of the device insures good regulation when this method is used, especially for the SG120 series. These devices are available in hermetically sealed TO-257, TO-3, TO-39 and LCC package.

Package Tube
Carrier:

This part can be found in the following product categories:

- Power Management ▶ Linear Regulators ▶ Negative Voltage Regulators (non-LDO)
- High-Reliability ▶ Military-grade Devices ▶ High-Reliability Power Management ▶ High-Reliability Linear Regulators
- Military-grade Devices ▶ High-Reliability Power Management ▶ High-Reliability Linear Regulators ▶ SG7905, SG7905A, SG7906A, SG7912, SG7912A, SG7915, SG7915A