

Negative Fixed Linear Voltage Regulators; Package: TO-99; VDIFF (V): 35; IOU (A): 1.5;

Manufacturers	Microchip Technology, Inc
Package/Case	CAN-3
Product Type	Voltage Regulators - Linear
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SG7912AT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SG79xxA/SG79xx series of negative regulators offer self-contained, fixed voltage capability with up to 1.5A of load current and input voltage up to -30V. With a variety of output voltages this regulator series is an optimum complement to the SG7800A/SG7800 positive three terminal regulators. These units feature a unique band gap reference which allows the SG79xxA series to be specified with an output voltage tolerance of $\pm 1.5\%$. The SG79xxA 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 (SG79xx 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. These devices are available in hermetically sealed TO-257 (both case grounded 'G' and isolated 'IG'), TO-3, TO-39, and LCC packages.

Features

Available to MIL-STD - 883, ¶ 1.2.1

MIL-M38510/11501BXA - SG7905T-JAN

MIL-M38510/11505BYA - SG7905K-JAN

MIL-M38510/11502BXA - SG7912T-JAN

MIL-M38510/11506BYA - SG7912K-JAN

MIL-M38510/11503BXA - SG7915T-JAN

MIL-M38510/11507BYA - SG7915K-JAN

MIL-M38510/11508BYA - SG7924K-JAN

MSC-AMS level "S" Processing Available

Available to DSCC Standard Microcircuit Drawing (SMD)





Related Products



[SG1525AJ](#)

Microchip Technology, Inc
DIP-16



[SG2524BN](#)

Microchip Technology, Inc
PDIP-16



[SG3526BN](#)

Microchip Technology, Inc
DIP-18



[SG3526BDW](#)

Microchip Technology, Inc
SOP-18



[SG3524D](#)

Microchip Technology, Inc
SOIC-16



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DIP-18