

0.5A SWITCHING CONTROLLER, 500KHZ SWITCHING FREQ-MAX

Manufacturers	Microchip Technology, Inc
Package/Case	SOP-16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SG3846DW or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SG1846 family of control ICs provides the required features to implement Fixed Frequency, Current mode control schemes while maintaining a minimum external parts count. The advanced performance of this technique can be measured in improved line regulation, enhanced load response characteristics, and a simpler, easier-to-design control loop. Topological advantages include, inherent pulse-by-pulse current limiting capability, automatic symmetry correction for push-pull converters, and the ability to parallel “power modules” while maintaining equal current sharing. Protection circuitry includes built-in under-voltage lockout and programmable current limit in addition to soft start capability. A shutdown function is also available which can initiate either a complete shutdown with automatic restart, or latch the supply off. Other features include fully latched operation, double-pulse suppression, dead-time adjust capability, and a $\pm 1\%$ trimmed bandgap reference.

Features

Available To MIL-STD-883 – 883, ¶ 1.2.1

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](#)

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SOIC-16



[SG1524BJ](#)

Microchip Technology, Inc
CDIP-16



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Microchip Technology, Inc
DIP-18