

REGULATING PULSE WIDTH MODULATOR

Manufacturers	Microchip Technology, Inc
Package/Case	CDIP-18
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SG1526J or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SG1526 is a high-performance monolithic pulse width modulator circuit designed for fixed-frequency switching regulators and other power control applications. Included in an 18-pin dual-in-line package are a temperature compensated voltage reference, sawtooth oscillator, error amplifier, pulse width modulator, pulse metering and steering logic, and two low impedance power drivers. Also included are protective features such as soft-start and undervoltage lockout, digital current limiting, double pulseinhibit, a data latch for single pulse metering, adjustable deadtime, and provision for symmetry correction inputs. For ease of interface, all digital control ports are TTL and B-series CMOS compatible. Active LOW logic design allows wired-OR connections for maximum flexibility. This versatile device can be used to implement single-ended or push-pull switching regulators of either polarity, both transformerless and transformer coupled. The SG1526 is characterized for operation over the full military ambientjunction temperature range of -55°C to +150°C. The SG2526 is characterized for operation from -25°C to +150°C, and the SG3526 is characterized for operation from 0°C to +125°C.

Features

Available to MIL-STD-883, ¶ 1.2.1

Available to DSCC - Standard Microcircuit

Drawing (SMD)

Radiation data available

MSC-AMS level "S" processing available



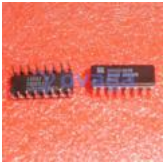
Related Products



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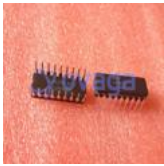
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Microchip Technology, Inc
325-TFBGA, CSPBGA