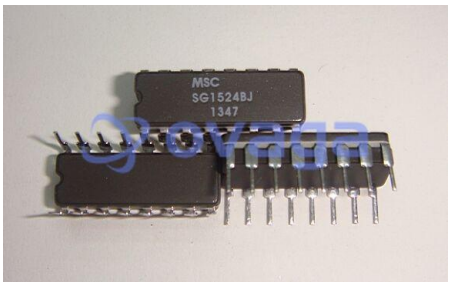
SG1524BJ

Data Sheet

Swithed-Mode Power Supply Controller, Voltage Mode Type, Bi-Polar

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



Images are for reference only

Please submit RFQ for SG1524BJ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

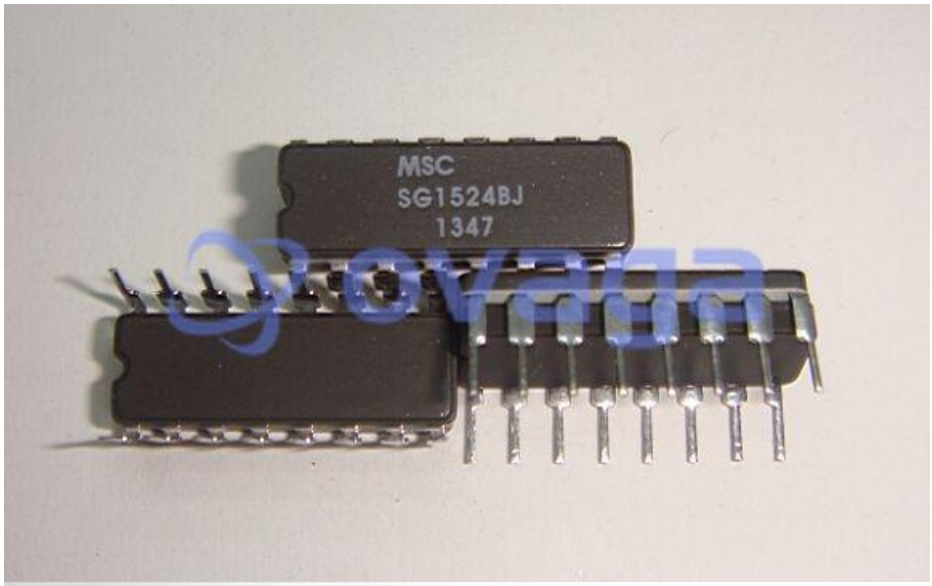
The SG1524B is a pulse width modulator for switching power supplies that features improved performance over industry standards like the SG1524. A direct pin-for-pin replacement for the earlier device, it combines advanced processing techniques and circuit design to provide improved reference accuracy, and extended common mode range at the error amplifier and current limit inputs. A DC-coupled flip-flop eliminates triggering and glitch problems, and a PWM data latch prevents edge oscillations. The circuit incorporates true digital shutdown for high speed response, while an undervoltage lockout circuit prevents spurious outputs when the supply voltage is too low for stable operation. Full double-pulse suppression logic insures alternating output pulses when the Shutdown pin is used for pulse-by-pulse current limiting. The SG1524B is specified for operation over the full military ambient temperature range of -55°C to 125°C. The SG2524B is characterized for the industrial range of -25°C to 85°C, and the SG3524B is designed for the commercial range of 0°C to 70°C.

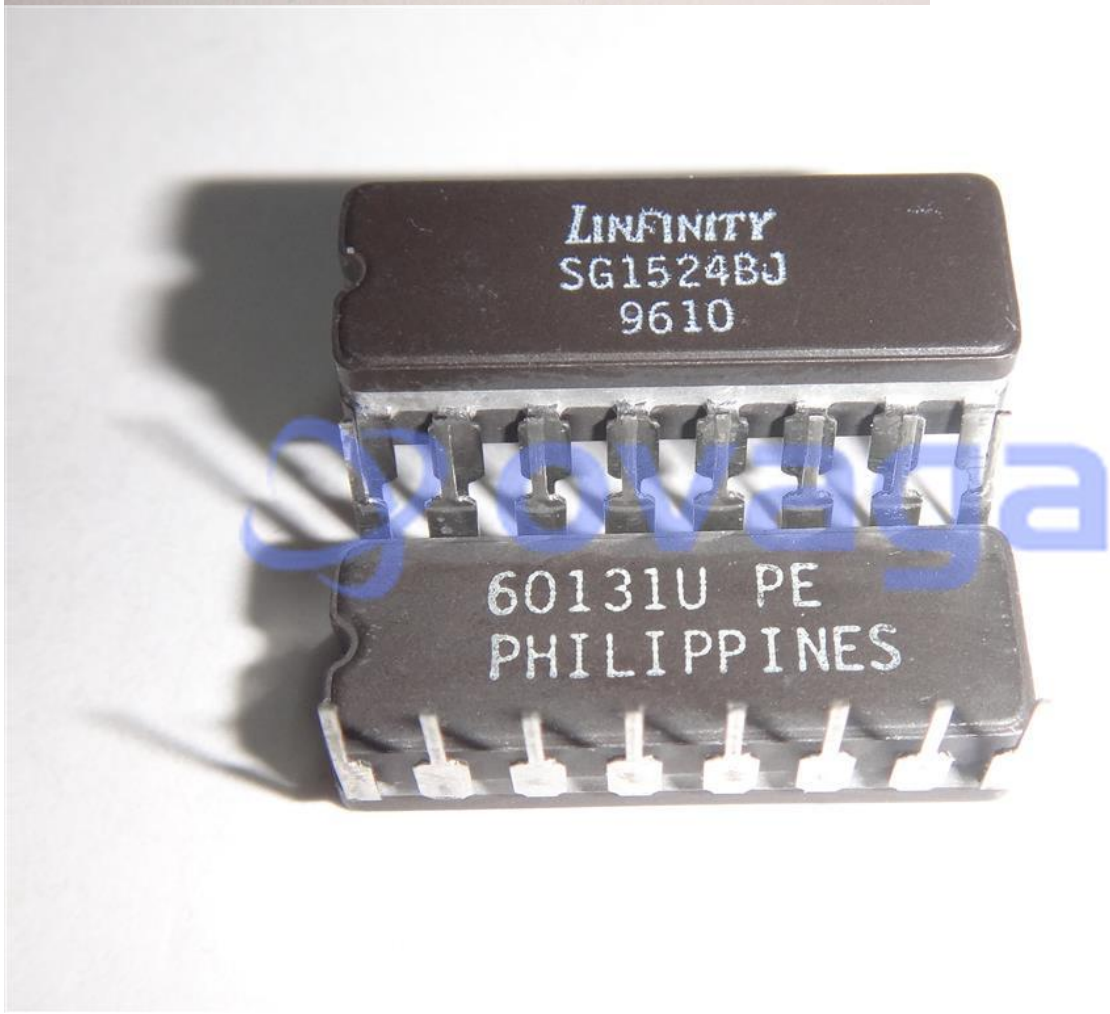
Features

Available to MIL-STD-883, ¶1.2.1

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

SG3524BN

Microchip Technology, Inc

DIP-16

SG1526BJ

Microchip Technology, Inc

DIP-18

SG2526BDW

Microchip Technology, Inc

SOP-18