


## Voltage Mode PWM Controller 100mA 450kHz 16-Pin PDIP Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	DIP16
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

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### General Description

The SG3524 incorporates on a single monolithic chip all the function required for the construction of regulating power supplies inverters or switching regulators. They can also be used as the control element for high power-output applications. The SG3524 family was designed for switching regulators of either polarity, transformer-coupled dc-to-dc converters, transformerless voltage doublers and polarity converter applications employing fixed-frequency, pulse-width modulation techniques. The dual alternating outputs allows either single-ended or push-pull applications. Each device includes an on-ship reference, error amplifier, programmable oscillator, pulse-steering flip flop, two uncommitted output transistors, a high-gain comparator, and current-limiting and shut-down circuitry.

### Key Features

- Complete Pulse-Width Modulation (PWM) Power-Control Circuitry
- Uncommitted Outputs for Single-Ended or Push-Pull Applications
- 8 mA (TYP) Standby Current

### Description

The SG2524 and SG3524 devices incorporate all the functions required in the construction of a regulating power supply, inverter, or switching regulator on a single chip. They also can be used as the control element for high-power-output applications. The SG2524 and SG3524 were designed for switching regulators of either polarity, transformer-coupled dc-to-dc converters, transformerless voltage doublers, and polarity-converter applications employing fixed-frequency, pulse-width modulation (PWM) techniques. The complementary output allows either single-ended or push-pull application. Each device includes an on-chip regulator, error amplifier, programmable oscillator, pulse-steering flip-flop, two uncommitted pass transistors, a high-gain comparator, and current-limiting and shutdown circuitry.

### Application

Power Management



## Recommended For You

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### **LM27761DSGR**

Texas Instruments, Inc  
WS0N8

### **LM2775DSGR**

Texas Instruments, Inc  
WS0N8

### **DRV8837DSGR**

Texas Instruments, Inc  
WS0N8

### **TPS259570DSGR**

Texas Instruments, Inc  
WS0N-8

### **TPS62065QDSGRQ1**

Texas Instruments, Inc  
WS0N8

### **TPS62172QDSGRQ1**

Texas Instruments, Inc  
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### **TPS62160QDSGRQ1**

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### **TPS22965NIDSGRQ1**

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### **TPS22965NQWDSGRQ1**

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### **TPS22965TDSGRQ1**

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### **TPS22965QWDSGRQ1**

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### **TPS62067QDSGRQ1**

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### **LM2775QDSGRQ1**

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### **TPS62170QDSGTQ1**

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### **TPS62170QDSGRQ1**

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