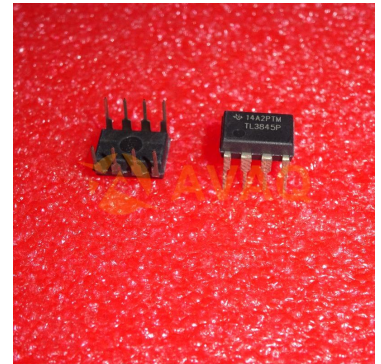


## Current Mode PWM Controller 0V to 30V 200mA 500kHz 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** DIP8

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The TL284x and TL384x series of control integrated circuits provide the features that are necessary to implement off-line or DC-to-DC fixed-frequency current-mode control schemes, with a minimum number of external components. Some of the internally implemented circuits are an undervoltage lockout (UVLO), featuring a start-up current of less than 1 mA, and a precision reference trimmed for accuracy at the error amplifier input. Other internal circuits include logic to ensure latched operation, a pulse-width modulation (PWM) comparator (that also provides current-limit control), and a totem-pole output stage designed to source or sink high-peak current. The output stage, suitable for driving N-channel MOSFETs, is low when it is in the off state.

## Key Features

Optimized for Off-Line and DC-to-DC Converters

Low Start-Up Current (< 1 mA)

Automatic Feed-forward compensation

Pulse-by-Pulse Current Limiting

Enhanced Load-Response Characteristics

Undervoltage Lockout With Hysteresis

Double-Pulse Suppression

High-Current Totem-Pole Output

Internally Trimmed Bandgap Reference

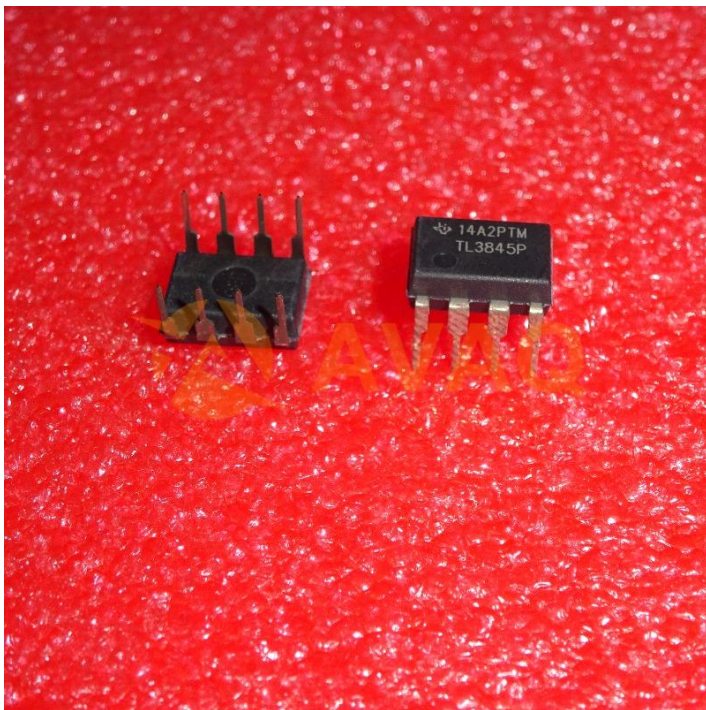
500-kHz Operation

Error Amplifier With Low Output Resistance

Designed to be Interchangeable with UC2842 and UC3842 Series

### Description

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## Recommended For You

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**TL2843P**

Texas Instruments, Inc  
DIP8

**TL431CP**

Texas Instruments, Inc  
DIP8

**TL7705ACDR**

Texas Instruments, Inc  
SOP8

**TL3843P**

Texas Instruments, Inc  
DIP8

**TL497ACN**

Texas Instruments, Inc  
DIP14

**TL494CD**

Texas Instruments, Inc  
SOP-16

**TL431IDBVR**

Texas Instruments, Inc  
SOT23-5

**TL494CN**

Texas Instruments, Inc  
DIP

**TL431CDBVR**

Texas Instruments, Inc  
SOT23-5

**TL7705ACP**

Texas Instruments, Inc  
DIP8

**TL3842P**

Texas Instruments, Inc  
DIP8

**TLV73325PDBVT**

Texas Instruments, Inc  
SOT23-5

**TLV73333PDBVR**

Texas Instruments, Inc  
SOT23-5

**TL431BIDBZT**

Texas Instruments, Inc  
SOT23-3

**TL431CPSR**

Texas Instruments, Inc  
SOP-8