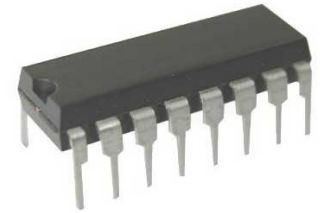


Power Factor Correction Preregulator 0.15mA 6kHz to 220kHz 16-Pin PDIP Tube



Images are for reference only

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: DIP16

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The UCCx817 and UCCx818 family provides all the functions necessary for active power factor-corrected preregulators. The controller achieves near-unity power factor by shaping the AC input line current waveform to correspond to that of the AC input line voltage. Average current mode control maintains stable, low distortion sinusoidal line current.

Designed in Texas Instrument's BiCMOS process, the UCCx817 and UCCx818 offers new features such as lower start-up current, lower power dissipation, overvoltage protection, a shunt UVLO detect circuitry, a leading-edge modulation technique to reduce ripple current in the bulk capacitor, and an improved, low-offset (± 2 -mV) current amplifier to reduce distortion at light load conditions.

Key Features

Controls Boost Preregulator to Near-Unity Power Factor

Limits Line Distortion

World Wide Line Operation

Over-Voltage Protection

Accurate Power Limiting

Average Current Mode Control

Improved Noise Immunity

Improved Feed-Forward Line Regulation

Leading Edge Modulation

150- μ A Typical Start-Up Current

Low-Power BiCMOS Operation

Up to 18-V Operation

Frequency Range 6 kHz to 220 kHz

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Recommended For You

UCC28064ADR

Texas Instruments, Inc
SOP16

UC3637N

Texas Instruments, Inc
DIP-18

UCC27517DBVR

Texas Instruments, Inc
SOT23-5

UCC2946TPWRQ1

Texas Instruments, Inc
TSSOP8

UCC28730QDRQ1

Texas Instruments, Inc
SOP7

UCC21222QDRQ1

Texas Instruments, Inc
SOP16

UCD9090QRGZRQ1

Texas Instruments, Inc
VQFN-48

UCC27531QDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC27511AQDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC2803QDRQ1

Texas Instruments, Inc
SOP8

UCC28951QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC21320QDWKRQ1

Texas Instruments, Inc
SOIC-14

UCC27322QDGNRQ1

Texas Instruments, Inc
HVSSOP-8

UCC28950QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC2808AQDR-2Q1

Texas Instruments, Inc
SOP8