

AC to DC Switching Converter Buck 70kHz 7-Pin PDIP-B

Manufacturer: [Power Integrations, Inc](#)

Package/Case: DIP7

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

Key Features

Lowest Component Count Buck Converter Solution

Fully integrated Auto-restart for Short-circuit and open loop fault protection saves component costs

66kHz Operation with accurate current limit, allows low cost Off-the-shelf 1mH Inductor

Tight Tolerances and Negligible Temperature Variation

High Breakdown Voltage of 700V Provides Excellent Input Surge Withstand

Frequency Jittering Dramatically Reduces EMI (~10dB)

High Thermal Shutdown Temperature (+135°C Minimum)

Much Higher Performance Over Discrete Buck and Passive Solutions

Supports Buck, Buck-boost and Flyback Topologies

System Level Thermal Overload, Output Short-circuit and Open Control Loop Protection

Excellent Line and Load Regulation Even with Typical Configuration

High Bandwidth Provides Fast Turn-on with No Overshoot

Current Limit Operation Rejects Line Ripple

Universal Input Voltage Range (85 to 265VAC)

Built-in Current Limit and Hysteretic Thermal Protection

Higher Efficiency than Passive Solutions

Higher Power Factor than Capacitor-fed Solutions

Entirely Manufacturable in SMD

EcoSmart™ - Extremely Energy Efficient

Consumes typically 50/80mW in self-powered buck topology at 115/230VAC input with no-load

Application

Consumer Electronics, Clock & Timing, LED Lighting, Industrial, Automation & Process Control



Recommended For You

LNK500PN

Power Integrations, Inc

DIP-7

LNK305PN

Power Integrations, Inc

DIP-7

LNK305GN-TL

Power Integrations, Inc

SOP

LNK304GN-TL

Power Integrations, Inc

SOP7

LNK562PN

Power Integrations, Inc

DIP-7

LNK623DG-TL

Power Integrations, Inc

SOP8

LNK623PG

Power Integrations, Inc

DIP-7

LNK304PN

Power Integrations, Inc

DIP7

LNK302PN

Power Integrations, Inc

DIP-7

LNK302DN-TL

Power Integrations, Inc

SOP-7

LNK364PN

Power Integrations, Inc

DIP7

LNK304DG-TL

Power Integrations, Inc

SOP7

LNK626PG

Power Integrations, Inc

DIP-7

LNK501PN

Power Integrations, Inc

DIP-7

LNK306GN-TL

Power Integrations, Inc

SOP7