


CFL/TL Ballast Driver 16-Pin PDIP Tube

Manufacturer:	STMicroelectronics, Inc
Package/Case:	DIP16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

L6574 Image

Images are for reference only

[Inquiry](#)

General Description

In order to ensure voltage ratings in excess of 600V, the L6574 is manufactured with BCD OFF LINE technology, which makes it well suited for lamp ballast applications. The device is intended to drive two power MOSFETS, in the classical half bridge topology, ensuring all the features needed to drive and properly control a fluorescent bulb. A dedicated timing section in the L6574 allows the user set the necessary parameters for proper preheat and ignition of the lamp. Also, an OP AMP is available to implement closed loop control of the lamp current during normal lamp burning. An integrated bootstrap section, eliminating the normally required bootstrap diode and the zener clamping on Vs, makes the L6574 well suited for low cost applications where few additional components are needed to build a high performance ballast.

Key Features

HIGH ACCURACY CURRENT CONTROLLED OSCILLATOR

SENSE OP AMP FOR CLOSED LOOP CONTROL OR PROTECTION FEATURES

CLAMPING ON VS.

INTEGRATED BOOTSTRAP DIODE

SO16, DIP 16 PACKAGES

UNDER VOLTAGE LOCK OUT

CMOS SHUT DOWN INPUT

HIGH VOLTAGE RAIL UP TO 600V

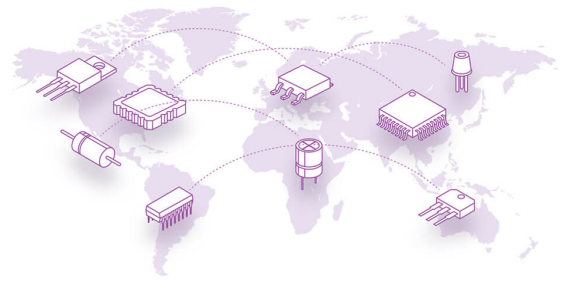
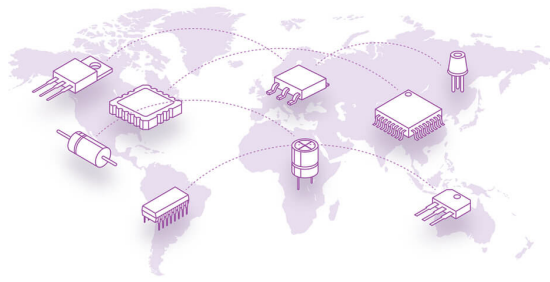
DRIVER CURRENT CAPABILITY: 250mA SOURCE 450mA SINK

dV/dt IMMUNITY 0± 50 V/ns IN FULL TEMPERATURE RANGE

WITH 1nF LOAD

PREHEAT AND FREQUENCY SHIFTING TIMING

SWITCHING TIMES 80/40ns RISE/FALL



Recommended For You

L6574D

STMicroelectronics, Inc

SOP16

L6375S

STMicroelectronics, Inc

SOP8

L6201PS

STMicroelectronics, Inc

HSOP20

L6562N

STMicroelectronics, Inc

DIP8

L6384ED013TR

STMicroelectronics, Inc

SOP8

L6387ED

STMicroelectronics, Inc

SOP8

L6561D

STMicroelectronics, Inc

SOP-8

L6506D

STMicroelectronics, Inc

SOP20

L6395DIR

STMicroelectronics, Inc

SOP8

L6388ED013TR

STMicroelectronics, Inc

SOP-8

L6384ED

STMicroelectronics, Inc

SOP8

L6388ED

STMicroelectronics, Inc

SOP8

L6562AID

STMicroelectronics, Inc

SOP

L6718

STMicroelectronics, Inc

QFN56

L6376D

STMicroelectronics, Inc

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