Sales Guide – IX4426/7/8M Dual 1.5A Low Side Gate Driver in Small 3x3 DFN package

Description

The IX4426/7/8M is the popular IXYS ICD low cost 4426/7/8 dual low side gate driver packaged in a small 3x3 DFN package. The two outputs of the IX4426/7/8M are each capable of sourcing and sinking 1.5A, and can switch a 1000pF in less than 10ns. For higher current requirements, the two outputs can be paralleled for a total of 3A peak sourcing and sinking current.

The IX4426/7/8M has a wide operating voltage range of 4.5V to 35V, which is much higher than competitive parts. The inputs are TTL and CMOS compatible and are virtually immune to latch-up.

The IX4426M is configured as a dual inverting driver, the IX4427M is configured as a dual non-inverting driver, and the IX4428M is configured with one inverting and one non-inverting driver.

Features

- Two Outputs Each Capable of +/-1.5A Peak Output Current
- Small 3x3 DFN Package
- Wide Operating Voltage Range: 4.5V to 35V
- -40℃ to +125℃ Extended Operating Temperature Range
- Latch-up Protected to 1.5A
- TTL and CMOS Compatible Inputs

Applications

- MOSFET Driver
- Motor Controls
- Switch Mode Power Supplies
- Pulse Transformer Driver

IX4426/7/8M Key Selling Points

- Low cost device
- Small 3x3 DFN package: 2X power capability in 20% PCB area vs. 8-lead SOIC package
- Higher operating voltage range than competition: 4.5V-35V
- Latch-up protected rated to 1.5A

Pricing and Availability

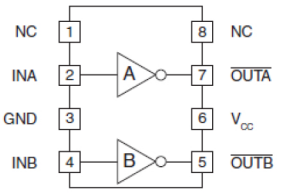
- **Samples:** Yes
- **Production Volume:** Yes

Competition

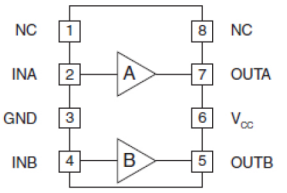
- Drop-in replacement for Micrel:

IXYS ICD	Micrel
IX4426MTR	MIC4426YML TR
IX4427MTR	MIC4427YML TR
IX4428MTR	MIC4428YML TR

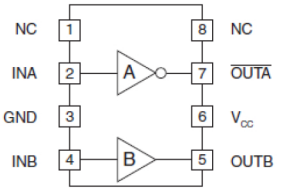
IX4426



IX4427



IX4428



Part Numbering and Packages

- IX4426MTR: Dual Inverting, 8-Pin 3x3 DFN, 2000/Reel
- IX4427MTR: Dual Non-inverting, 8-Pin 3x3 DFN, 2000/Reel
- IX4428MTR: One Inverting & One Non-inverting, 8-Pin 3x3 DFN, 2000/Reel

Selling Tools

Datasheet: IX4426/7/8 (http://www.ixysic.com/home/pdfs.nsf/www/IX4426-27-28.pdf/$file/IX4426-27-28.pdf)
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