

2 X 80 W SE (4 Ohm) or 1 X 160 W BTL (8 Ohm) class-D amplifier

Manufacturers	<u><a href="#">NXP Semiconductor</a></u>
Package/Case	HSOP24
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TDF8590TH or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

TDF8590TH is a specific part number for a digital audio amplifier chip manufactured by NXP Semiconductors. It belongs to the TDF85xx family of automotive-qualified amplifiers.

## Features

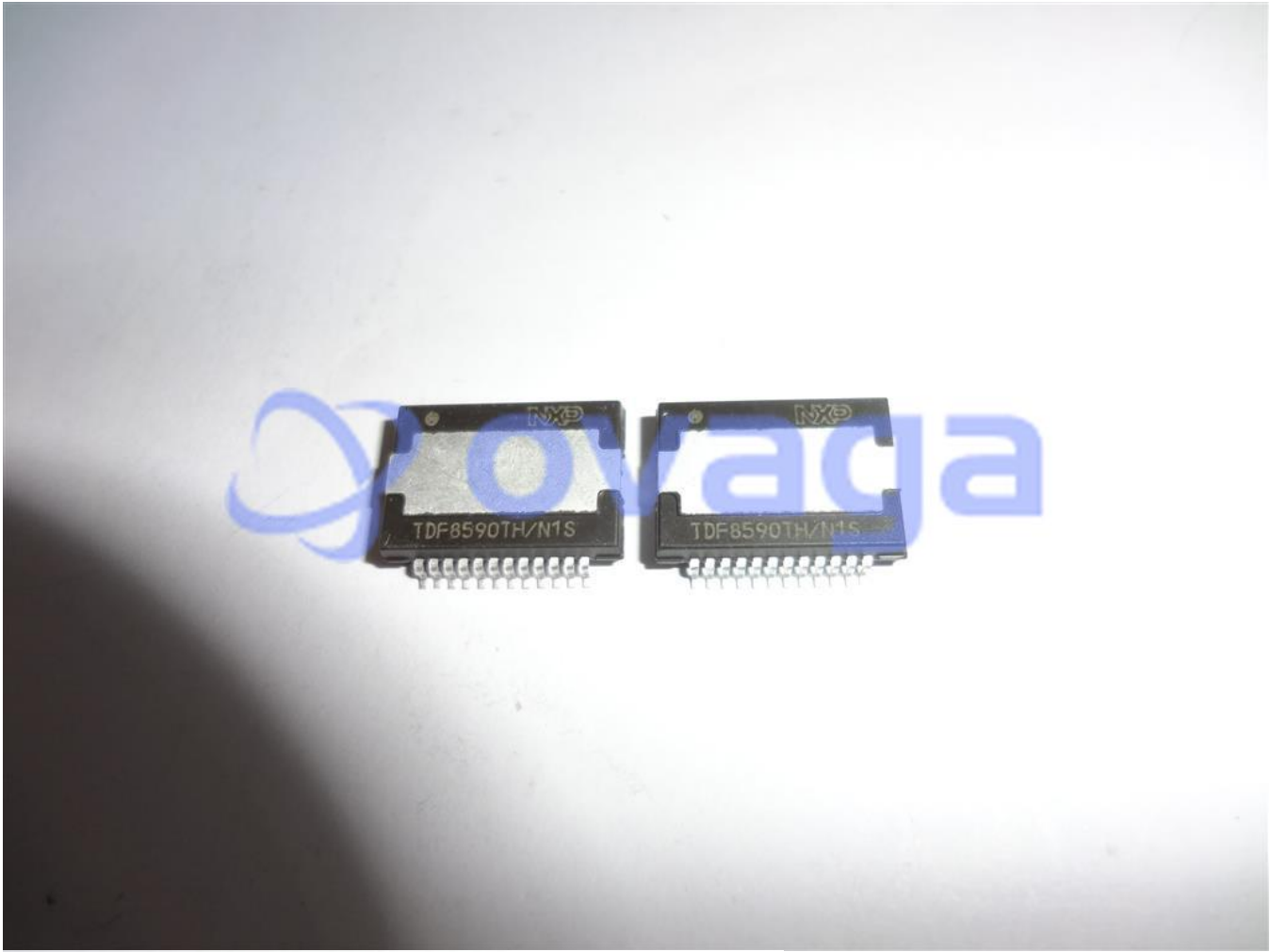
Class-D amplifier with high efficiency

4-channel output, each channel capable of delivering up to 50W of power

Low distortion and noise

Supports a wide range of supply voltages (6V to 18V)

Built-in protection features (e.g. short-circuit protection, thermal protection)



## Related Products



[TDA8595J](#)

NXP Semiconductor  
ZIP-27



[TDA1517P](#)

NXP Semiconductor  
DIP-18



[TDA7050T](#)

NXP Semiconductor  
8-SOIC



[TDA8920BTH](#)

NXP Semiconductor  
HSOP-24



[TDA8922BTH](#)

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HSOP-24



[TDA8954J/N1,112](#)

NXP Semiconductor  
DBS23P



[TDA8950J/N1,112](#)

NXP Semiconductor  
DBS23P



[TDA8932BT/N2,112](#)

NXP Semiconductor  
SO-32