

# DATA SHEET

Product specification  
File under Integrated Circuits, IC01

July 1994

**2 x 12 W hi-fi audio power amplifiers  
with mute**

**TDA2616/TDA2616Q**

**FEATURES**

- Requires very few external components
- No switch-on/switch-off clicks
- Input mute during switch-on and switch-off
- Low offset voltage between output and ground
- Excellent gain balance of both amplifiers
- Hi-fi in accordance with IEC 268 and DIN 45500
- Short-circuit proof and thermal protected
- Mute possibility.

**GENERAL DESCRIPTION**

The TDA2616 and TDA2616Q are dual power amplifiers. The TDA2616 is supplied in a 9-lead single-in-line (SIL9) plastic power package (SOT131), while the TDA2616Q is supplied in a 9-lead SIL-bent-to-DIL plastic power package (SOT157). They have been especially designed for mains fed applications, such as stereo radio and stereo TV.

**QUICK REFERENCE DATA**

Stereo application

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
$\pm V_{P-THD-4D1}$	(5.21712 -0.149 -10.26)Tj 7.0-1 Tf 0.549 0 65706					

**SOT-2.621712**

**ORDERING INFORMATION**

**Notes**

1. SOT131-2; 1996 August 27.
2. SOT157-2; 1996 August 27.











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Fig.5 Test and application circuit with asymmetrical power supply.



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**TDA2616/TDA2616Q****SOLDERING****Introduction**

There is no soldering method that is ideal for all IC packages. Wave soldering is often preferred when through-hole and surface mounted components are mixed on one printed-circuit board. However, wave soldering is

