



Toshiba launches power amplifier for automotive audio systems

Highly featured new device is very resistant to power surges

Düsseldorf, Germany, 25th September 2018 – Toshiba Electronics Europe (“Toshiba”) has launched a new 4-channel power amplifier for automotive audio applications that is highly resistant to the power surges typically found within vehicle electronics.

Building on Toshiba’s proven development capabilities in ICs for automotive audio, the highly reliable 4-channel TCB503HQ delivers 50W of output power per channel into a 4Ω load. The highly featured device includes built-in mute and standby functions as well as protection functions such as offset detection and short circuit detection as well as overvoltage and over temperature.

The TCB503HQ also includes a built-in filter to improve resistance to extraneous high-frequency noise that may be present in the vehicle. This filter also prevents the generation of abnormal noises from the amplifier due to high-frequency noise from onboard electronics, such as motors, or other devices such as smartphones.

It also supports 6V operations, making it suitable for vehicles equipped with idling reduction systems, which have become popular in recent years. This feature suppresses the 'popping' sounds that can occur when the supply voltage fluctuates.

The clip detection signal can be used to control the volume and tone control circuits, thereby improving the sound quality of the audio system.

Sample shipments start today with mass production scheduled to begin in the first quarter of 2019.

Follow the link below for more information on Toshiba's audio power amplifiers, including the new product:

<https://toshiba.semicon-storage.com/eu/product/automotive/power-amp.html> or
<https://toshiba.semicon-storage.com/eu/product/assp/audio-ic/detail.TCB503HQ.html>

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About Toshiba Electronics Europe

[Toshiba Electronics Europe](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#). TEE offers a broad IC and discrete product line including high-end memory, microcontrollers, ASICs and ASSPs for automotive, multimedia, industrial, telecoms and networking applications. The company also has a wide range of power semiconductor solutions as well as storage products including HDDs, SSDs, SD Cards and USB sticks.

TEE was formed in 1973 in Neuss, Germany, providing design, manufacturing, marketing and sales and now has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom. TEE employs approximately 300 people in Europe. Company president is Mr Akira Morinaga.

For more company information visit TEE's web site at www.toshiba.semicon-storage.com.

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