
Technical Bulletin: Functional & Performance Improvements in CS5466 rev D Silicon

(Reference CS5466 data sheet revision DS659F1 dated AUG '05).

Dynamic Range of Pulse Outputs (/E1, /E2, FOUT)

The dynamic range of the pulse outputs has been improved in rev D. When using the pulse outputs to measure energy accuracy, the device now meets all specified typical accuracy levels listed in the Characteristics and Specifications section of the data sheet.

No Load Threshold

Revision C:

Revision C of the CS5466 has a set no load threshold.

Revision D:

Revision D of the CS5466 has been modified to include a no load threshold of 0.004% of full-scale. When the magnitude of the power calculated is less than 0.004% of full scale, the active energy pulse output will be disabled.

Anti-creep / Start-up Pulses

Revision C:

Revision C of the CS5466 calculated energy during startup as the high-pass filters settled.

Revision D:

Revision D of the CS5466 has been modified to suppress energy pulses until the high-pass filters have settled.

CONTACTING CIRRUS LOGIC SUPPORT

For a complete listing of direct Distributor, Sales, and Sales Representative contacts, visit the Cirrus Logic website at <http://www.cirrus.com>.
