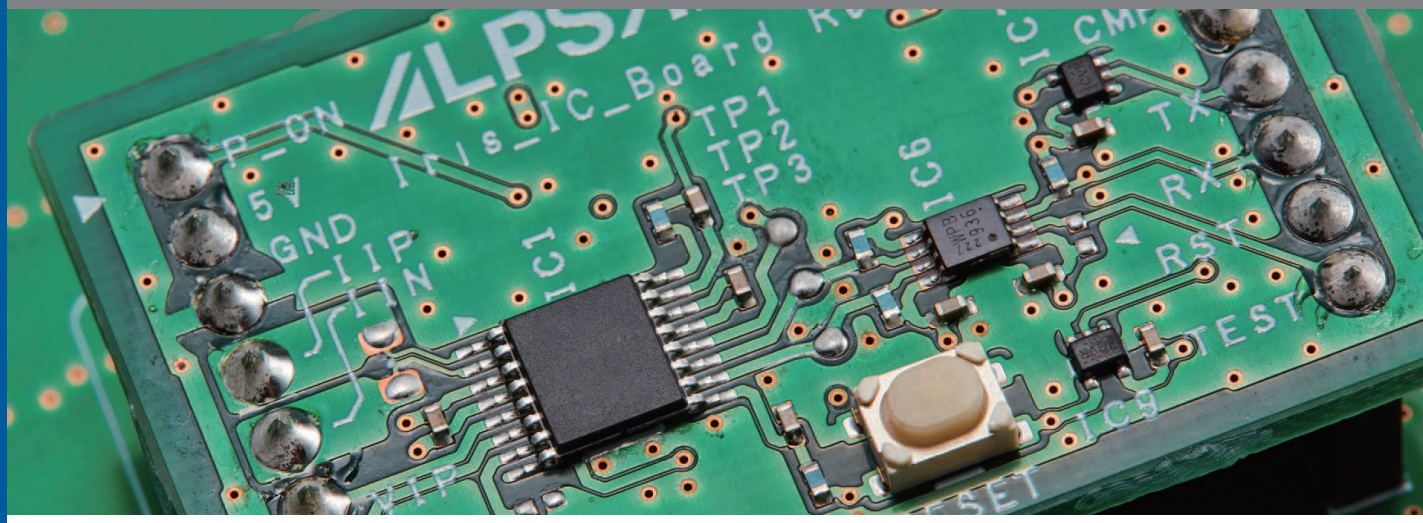
Current Ripple detection IC

HSLRAC series



Proposal for Brushed DC motor application

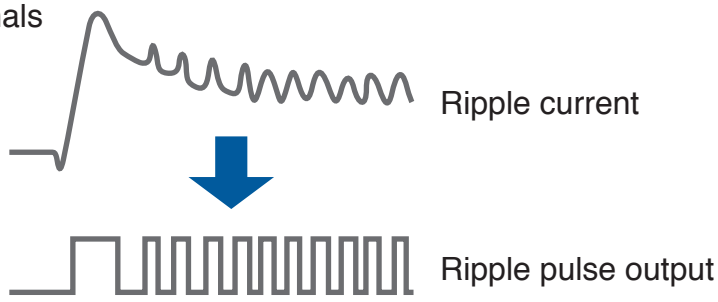
Simple system architecture reduces Bill Of Materials cost

AFE (Analog Front End) part of Ripple detection discrete solution is implemented in single chip, which achieves space saving and cost saving.

This IC enables customers to detect Brushed DC motor revolution and load current.

Function

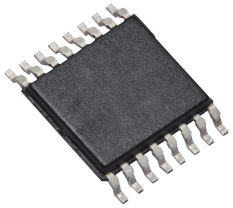
- Load current detection
- Voltage detection between motor terminals
- Ripple current pulse output



Application

- Brushed DC motor control
- Slide door, power window open/close control
- Current detection, power monitor

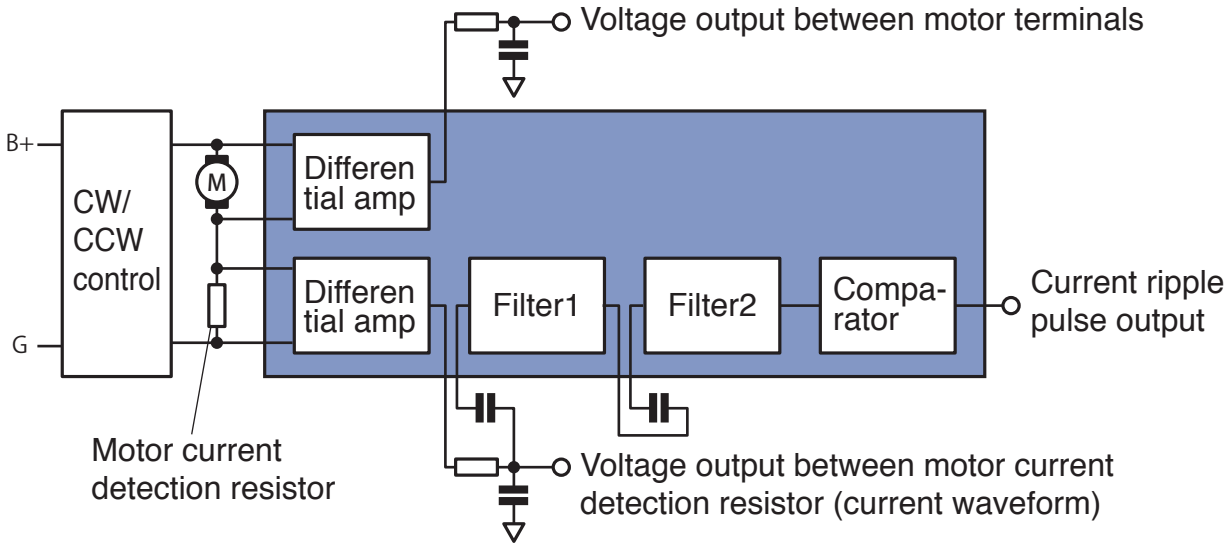
Specification



HSLRAC**** (Number to be issued soon)

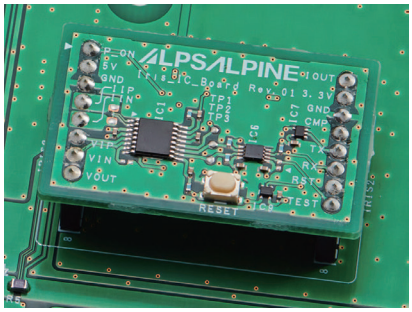
- Common mode voltage input range 0 to +60V
- AEC Q100 Grade1

HSLRAC Block Diagram



Evaluation tool

Evaluation tool is available on request



More information

Product/technology information (Alps Alpine website):

https://tech.alpsalpine.com/e/products/detail/HSLRAC/

Email inquiries:

https://tech.alpsalpine.com/e/inquiry/catalog/?product=SC&partnumber=HSLRAC

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