

# TPS54233 issue for servo motor

Brian Wang

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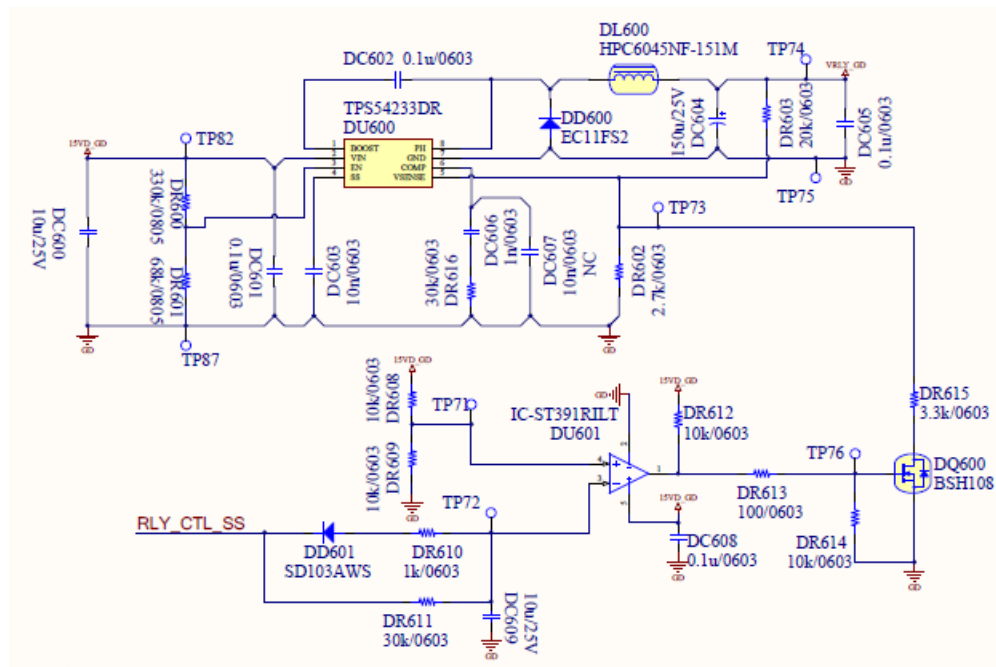
# Project Info.

Delta Crop. In TW  
Servo motor Application  
500Ku/year

# Schematic

Vin: 15V, Vout: 6V

Iout: <500mA



# Issue Description

During startup, the IC will be shutdown. What happened?

When there is a dummy load of 100 Ohm or certain values added at output rail, the output can be startup normally.

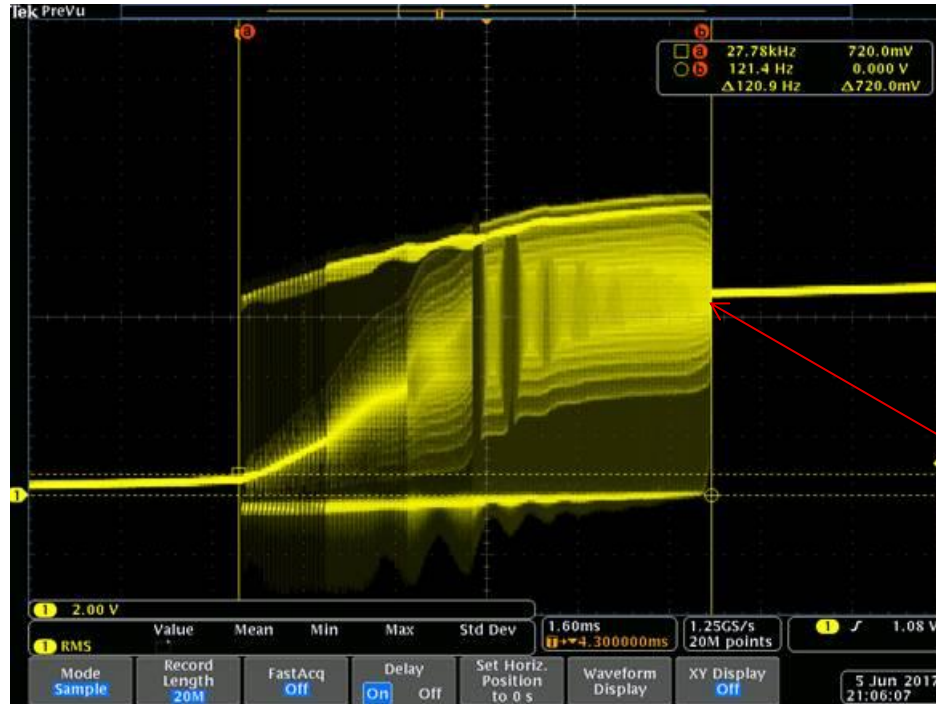
PS: We have tried the same configuration and component values on TPS54233EVM It works normally and the problem is gone.

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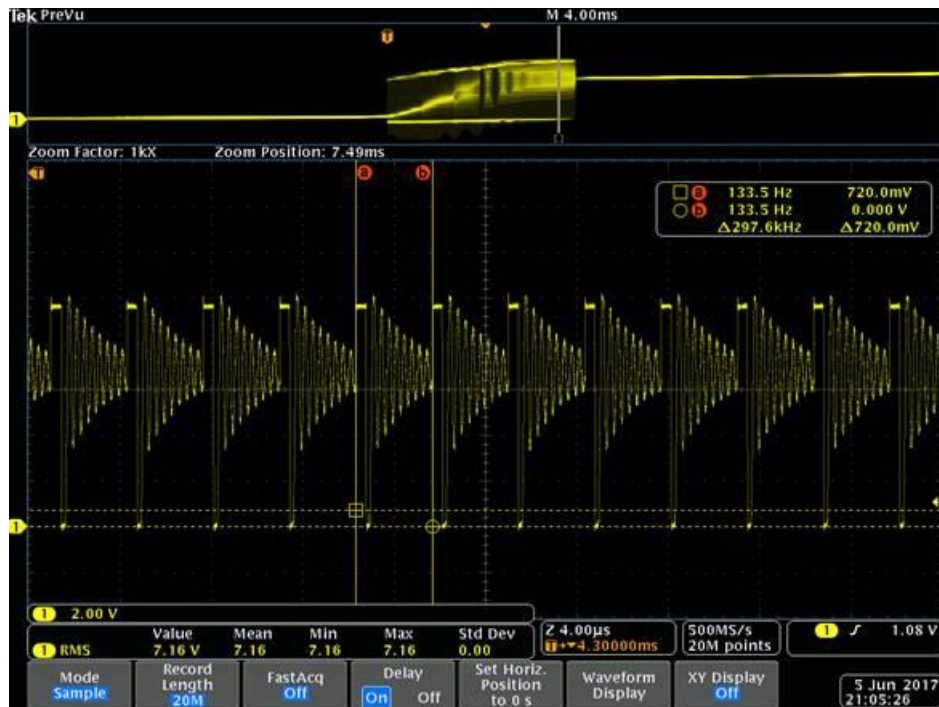
# Waveform



IC is shunting down

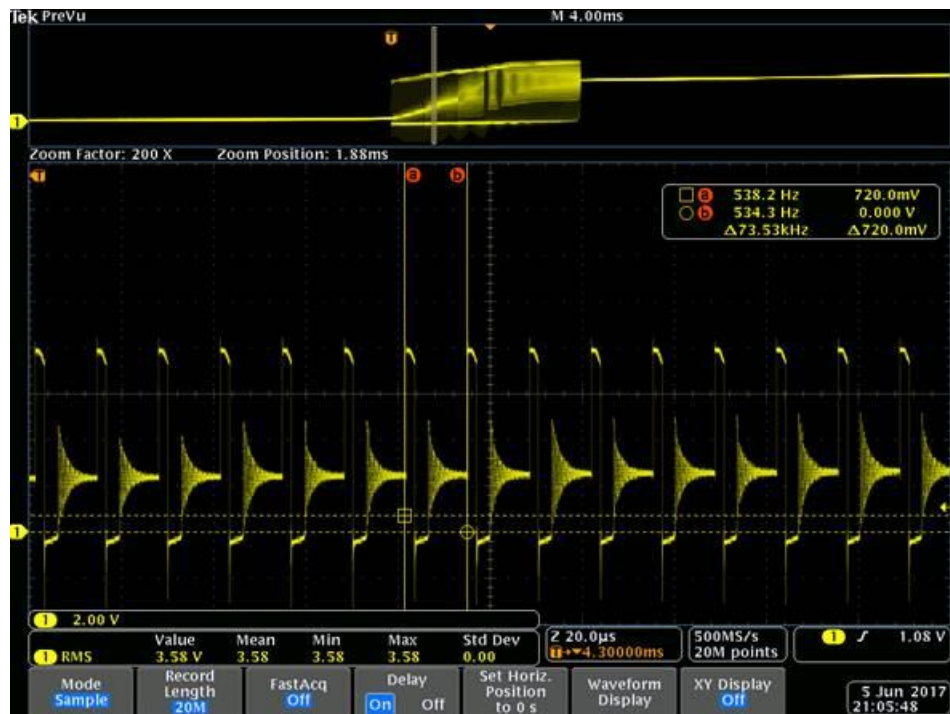
CH1: PH pin

# Waveform



## CH1: PH pin

# Waveform



CH1: PH pin



# Waveform on pin6 (COMP)

