Device Modeling Report

COMPONENTS: DC MOTOR PART NUMBER: RS-380PH

MANUFACTURER: MABUCHI MOTOR



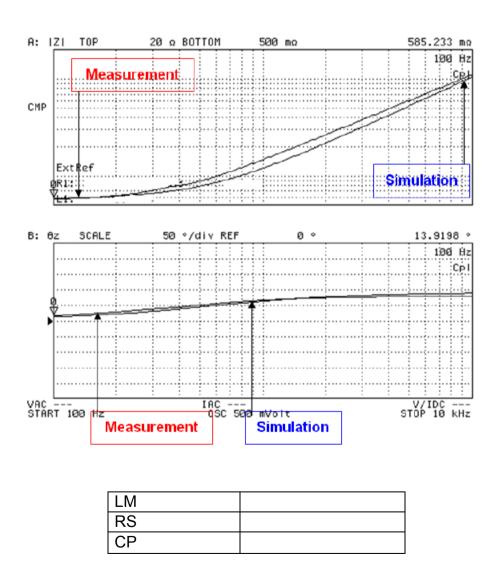
Theory: Auto Balancing Bridge Method

Optimization of Simulation

Range of adjustment Frequency:40 to10K(Hz) Frequency vs.|Z| and Frequency vs. θ z Characteristic

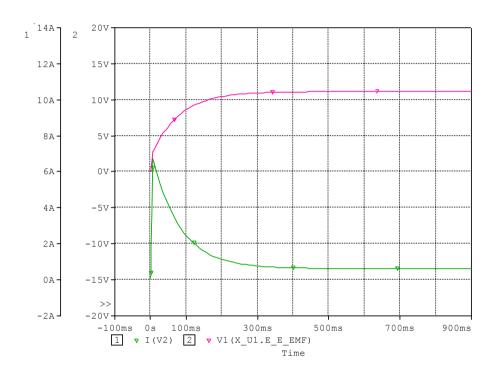
Attention)

Please use SPICE MODEL within the range from 40 to 10K(Hz) for best accuracy.

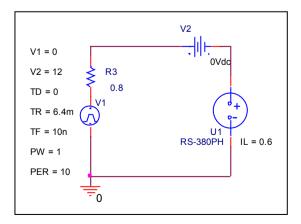


DC Motor Voltage and Current Characteristics at No load

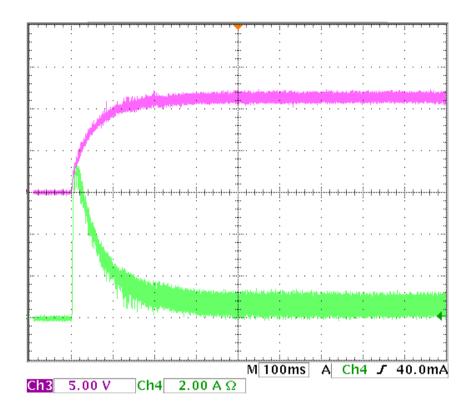
Circuit simulation result



Evaluation circuit

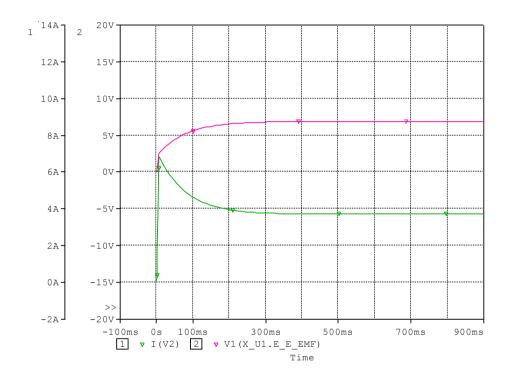


DC Motor Voltage and Current Characteristics (No load) Reference

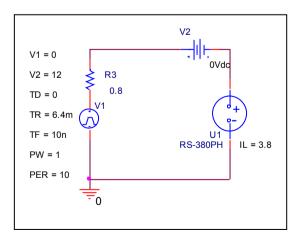


DC Motor Voltage and Current Characteristics at Fan load

Circuit simulation result



Evaluation circuit



DC Motor Voltage and Current Characteristics (Fan Ioad) Reference

