

DCCT Test Results for DCCT S/N: DCCT-M-A-0090

Overall Test Status: Failed!

Technician: Kevin Mandracchia, Life #: 25337

Test performed: 03/24/25, 05:55 PM

Raw Serial Number/Sticker Data: DCCT-M-A-0090-23101031037-BZ22481589-HBA22440089A-23101031039-BZ22481955-HBA22440079A-CTP-6303-50

FLT12 Fault Signal 1 and 2 Test Results

| Test | Value | Status |
|------------------------------|---------|--------|
| FLT12 Overall Testing | N/A | Pass |
| FLT12 Positive Assertion | N/A | Pass |
| FLT12 Negative Assertion | N/A | Pass |
| FLT12 De-Assertion | N/A | Pass |
| FLT12 Initial Voltage | 14.77 V | Pass |
| FLT12 Positive Fault Voltage | 0.00 V | Pass |
| FLT12 Negative Fault Voltage | 0.00 V | Pass |

Pass/Fail Threshold Voltage for FLT12 Initial Voltage: >14.3V

Pass/Fail Threshold Voltage for FLT12 Fault Voltage: <1V

FLT12 Fault testing carried out with +/-1A current through DCCT

Test Current for IOUT Measurement: +/-10A at 10Hz Sinusoidal
(20Vpp sine into Kepco current control input)

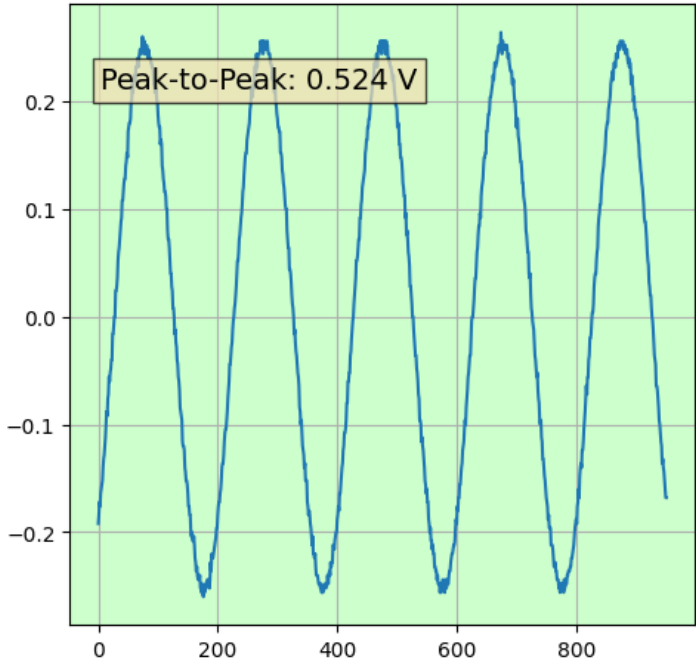
Sinusoidal Current Test Results

| Test | Value | Status |
|--------------------------------|-----------------------|--------|
| CT Measurement Overall Testing | N/A | Fail |
| Channel 1 Voltage Threshold | 0.524Vpp | Pass |
| Channel 2 Voltage Threshold | 0.52Vpp | Pass |
| Channel 3 Voltage Threshold | 22.400000000000002Vpp | Fail |
| Frequency and Phase | 10.5 Hz, 180.09° | Pass |

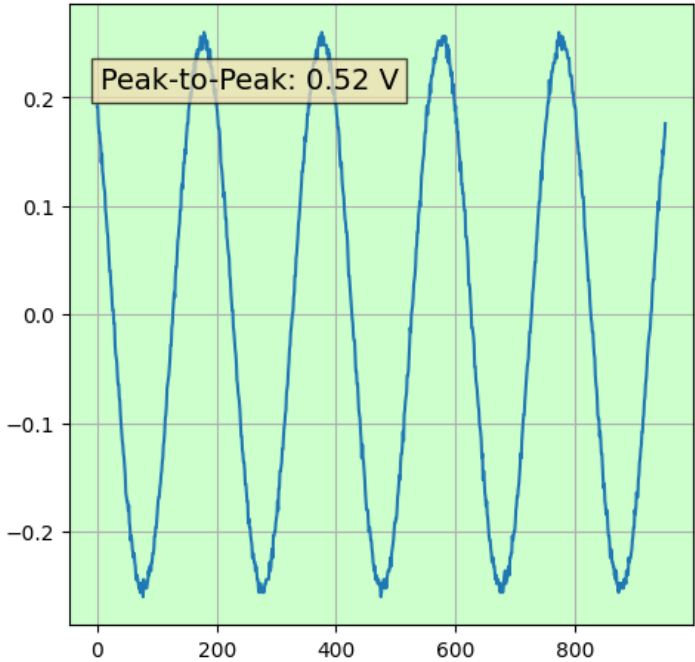
Current Test Waveforms

ALSu DCCT Test Data

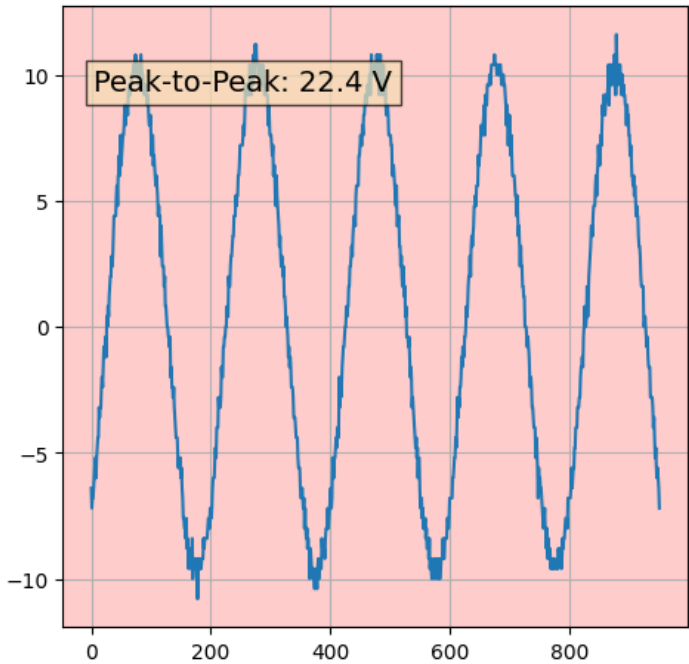
Channel 1, IOUT 1



Channel 2, IOUT 2



Channel 3, SIGNAL GEN



Channel 1 & Channel 2 (IOUT 1 and IOUT 2) Phase Shift

