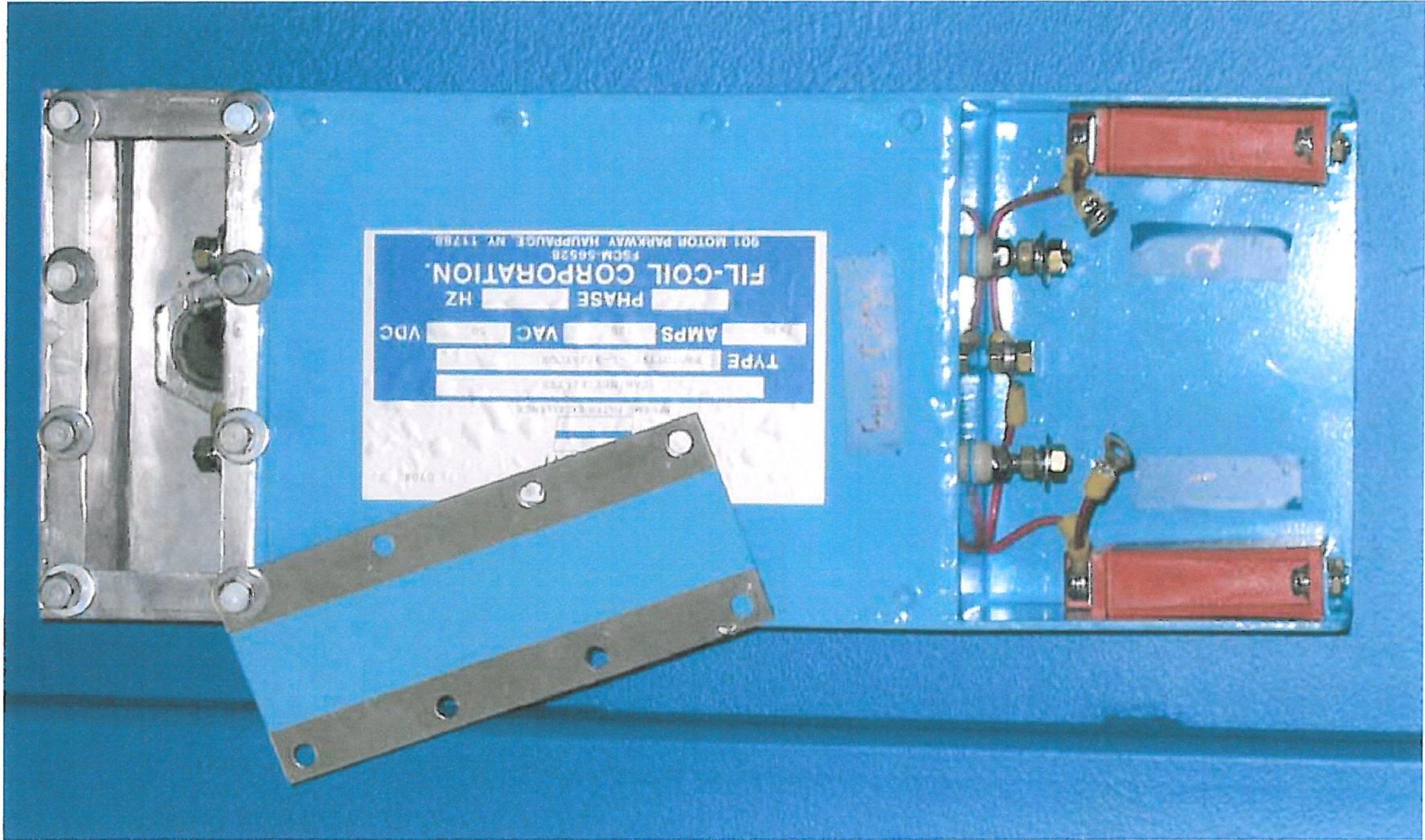


Cabinet Filter Specification

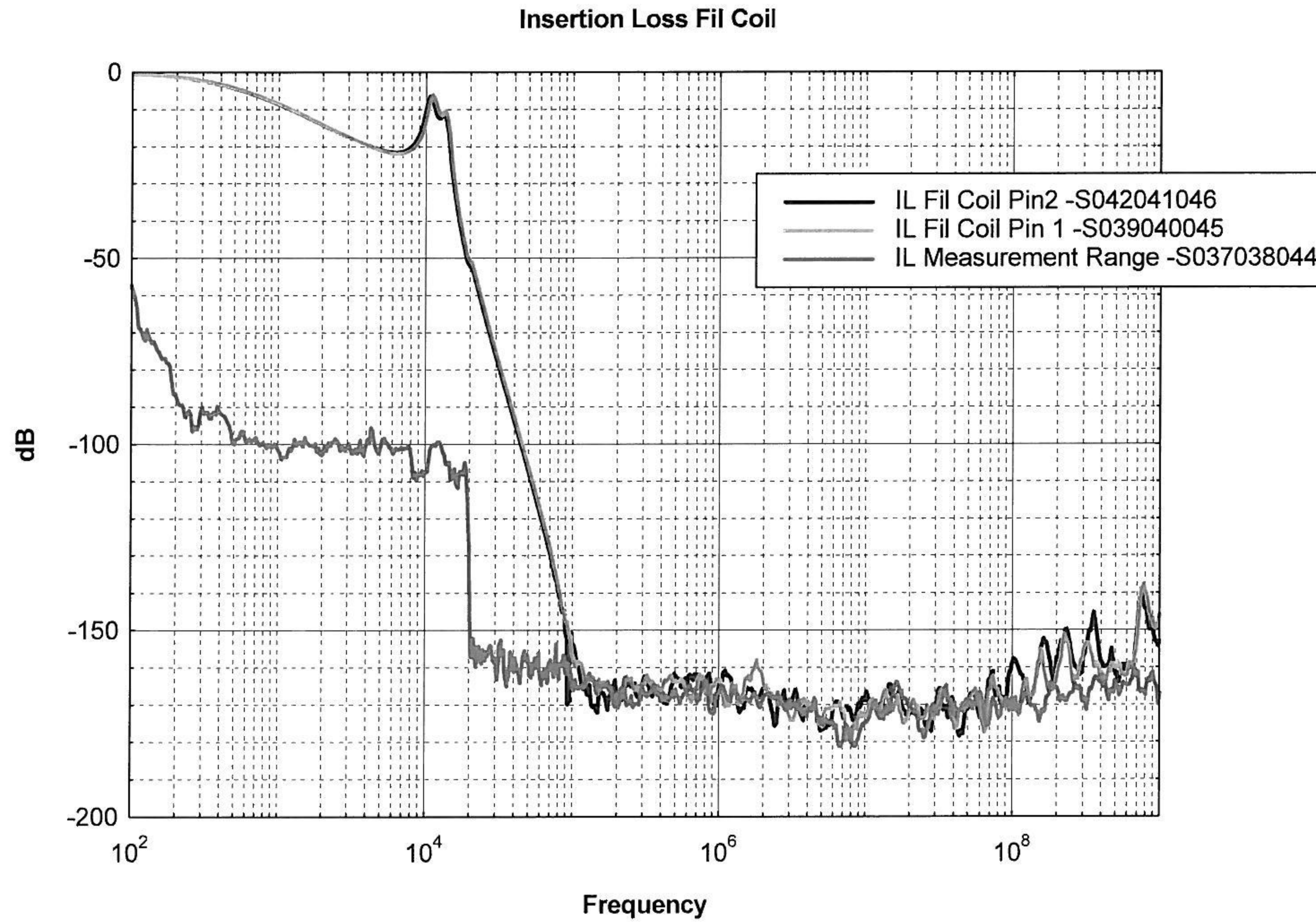
Tested To MIL-STD-188-125 HEMP

- Performance
 - 120VAC or 50VDC Line To Ground (prefer both)
 - 2-wire (hot and neutral)
 - 30 amps peak current
 - 2 or 3 stage – see following insertion loss curve
 - Inductive input ($>1e-3$ Henries)
- Physical
 - Feedthru design
 - 7"W x 17.75"L x 4.75"H largest dimension
 - Screw cover accessible "dirty volume" for connections
 - EM Sealed feedthru conduit from clean volume
 - Fits in secondary containment (see attached pictures)
 - 60mm MOV in dirty compartment (V131BA60 or equivalent)

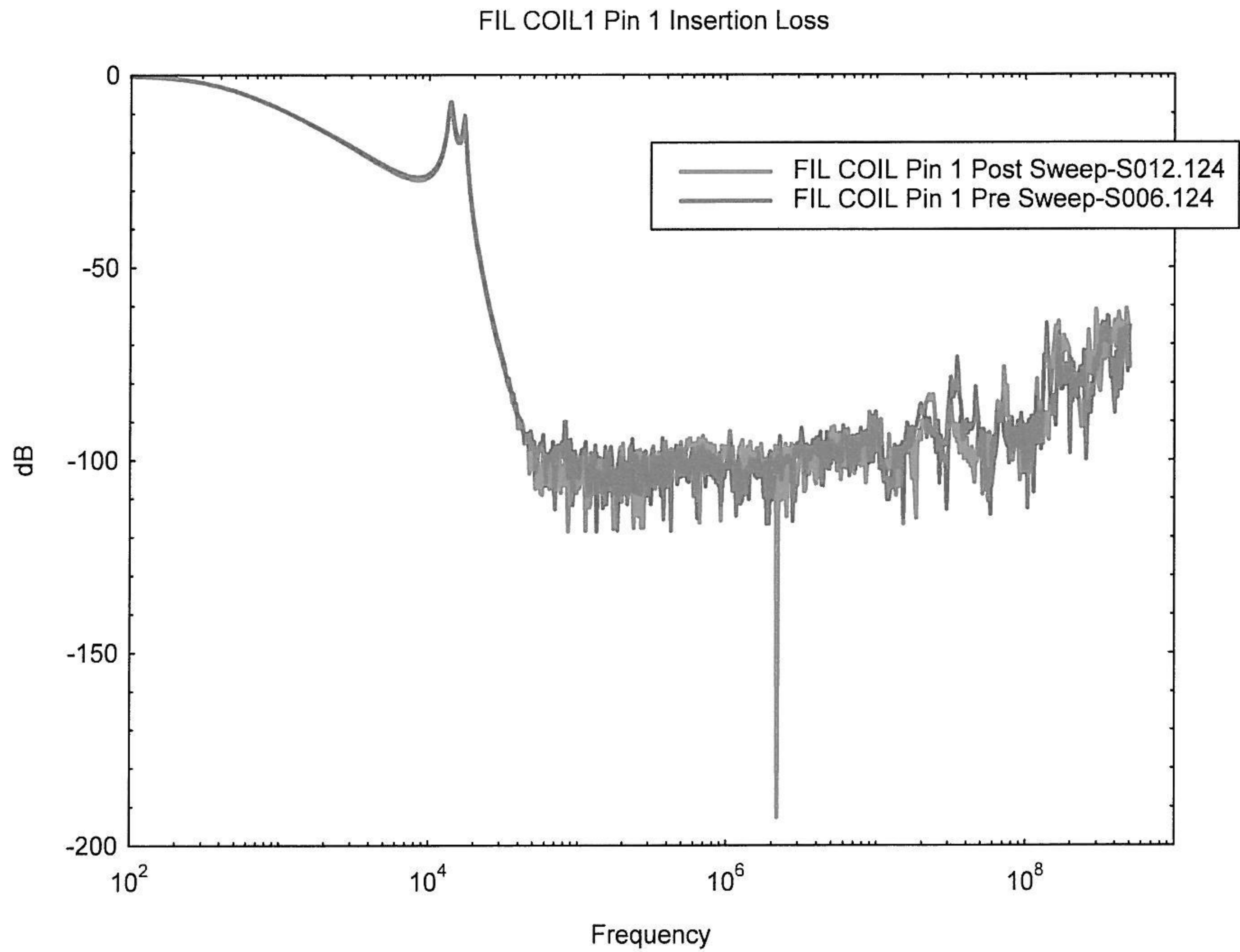
Fil Coil



FilCoil Typical Insertion Loss

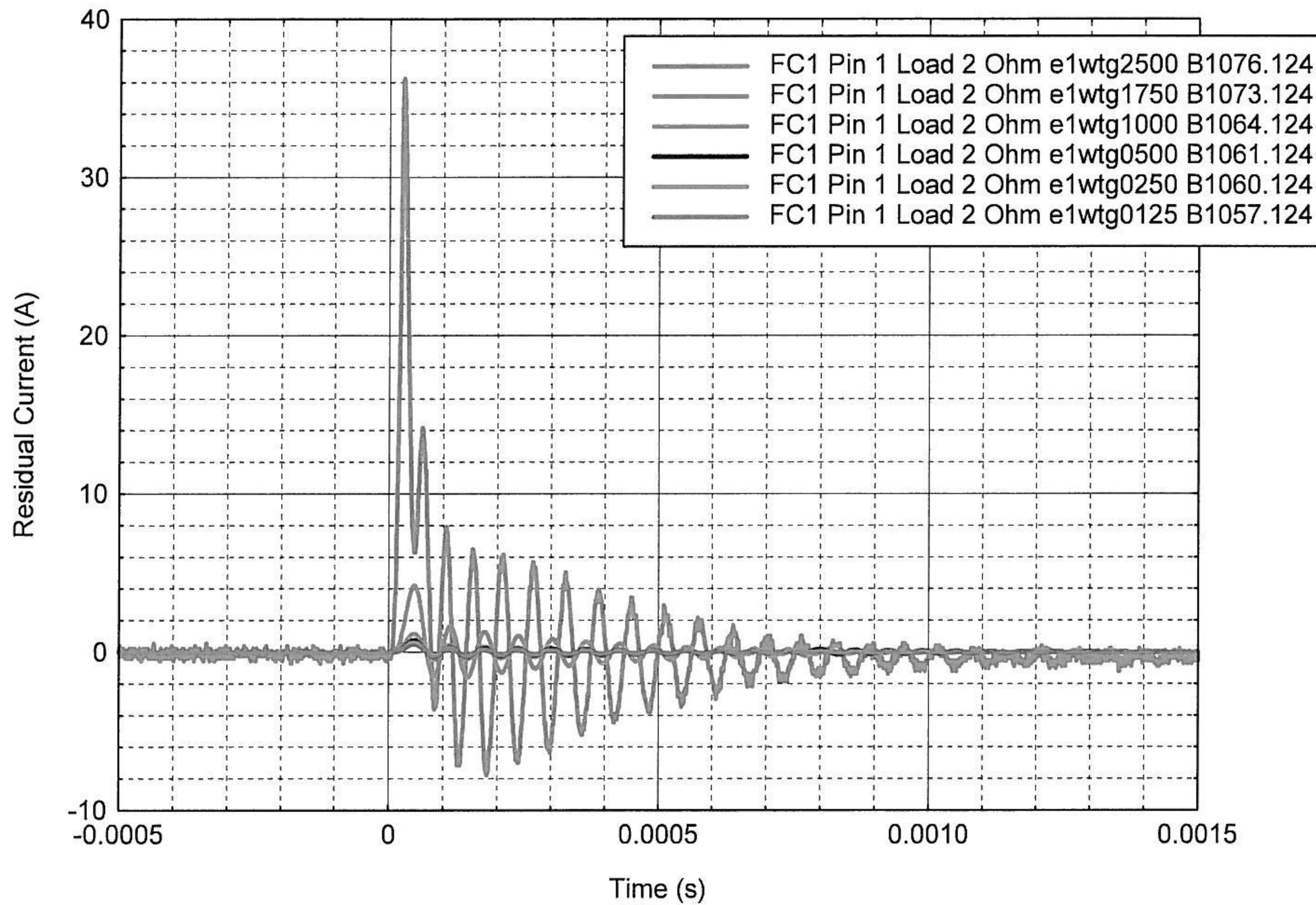


FilCoil Typical Insertion Loss



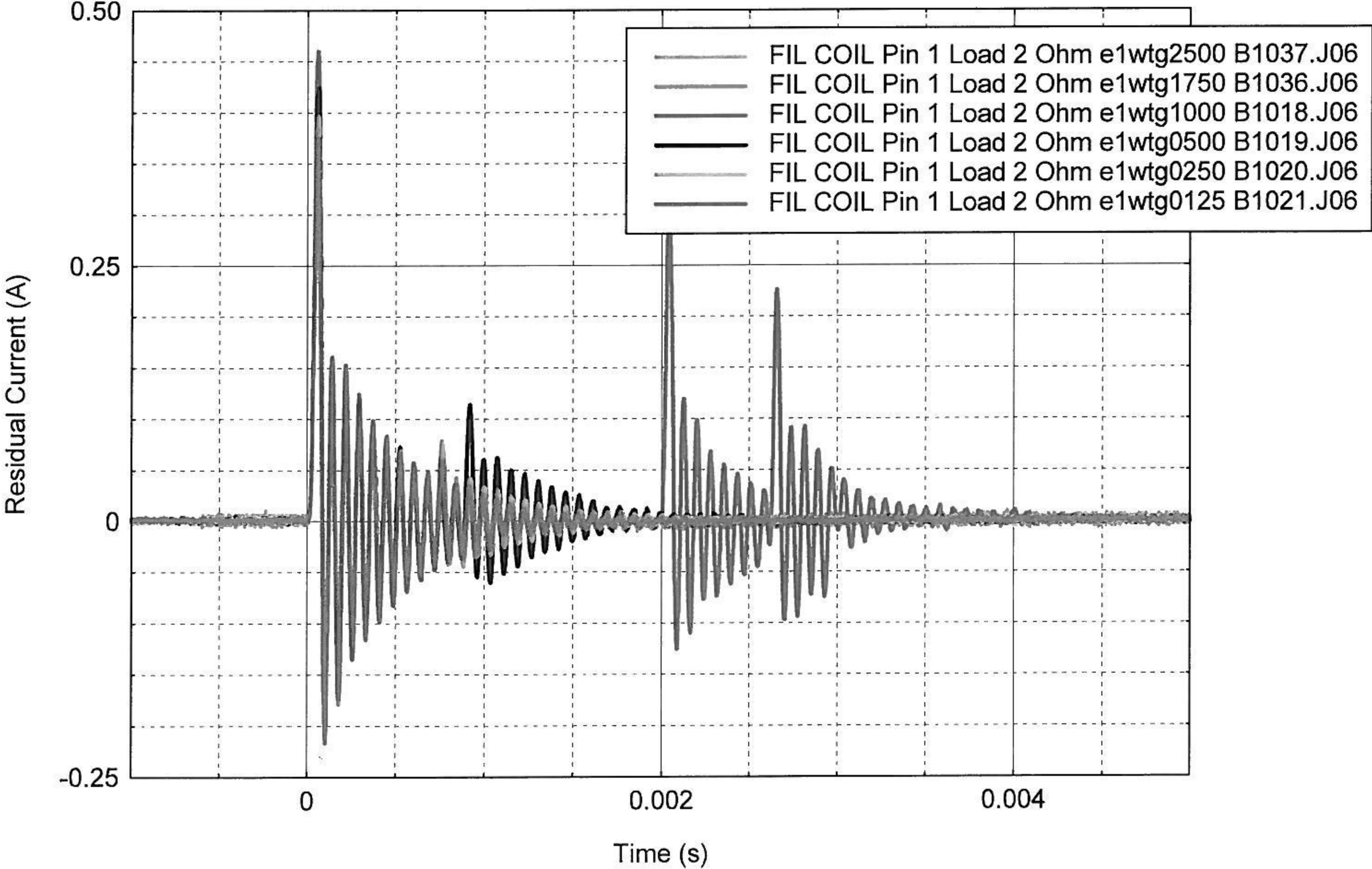
FilCoil E1 2 Ohm Load V331BA60 Acceptance Test Data

FC1 Pin 1 Load 2 Ohm e1wtg.ep



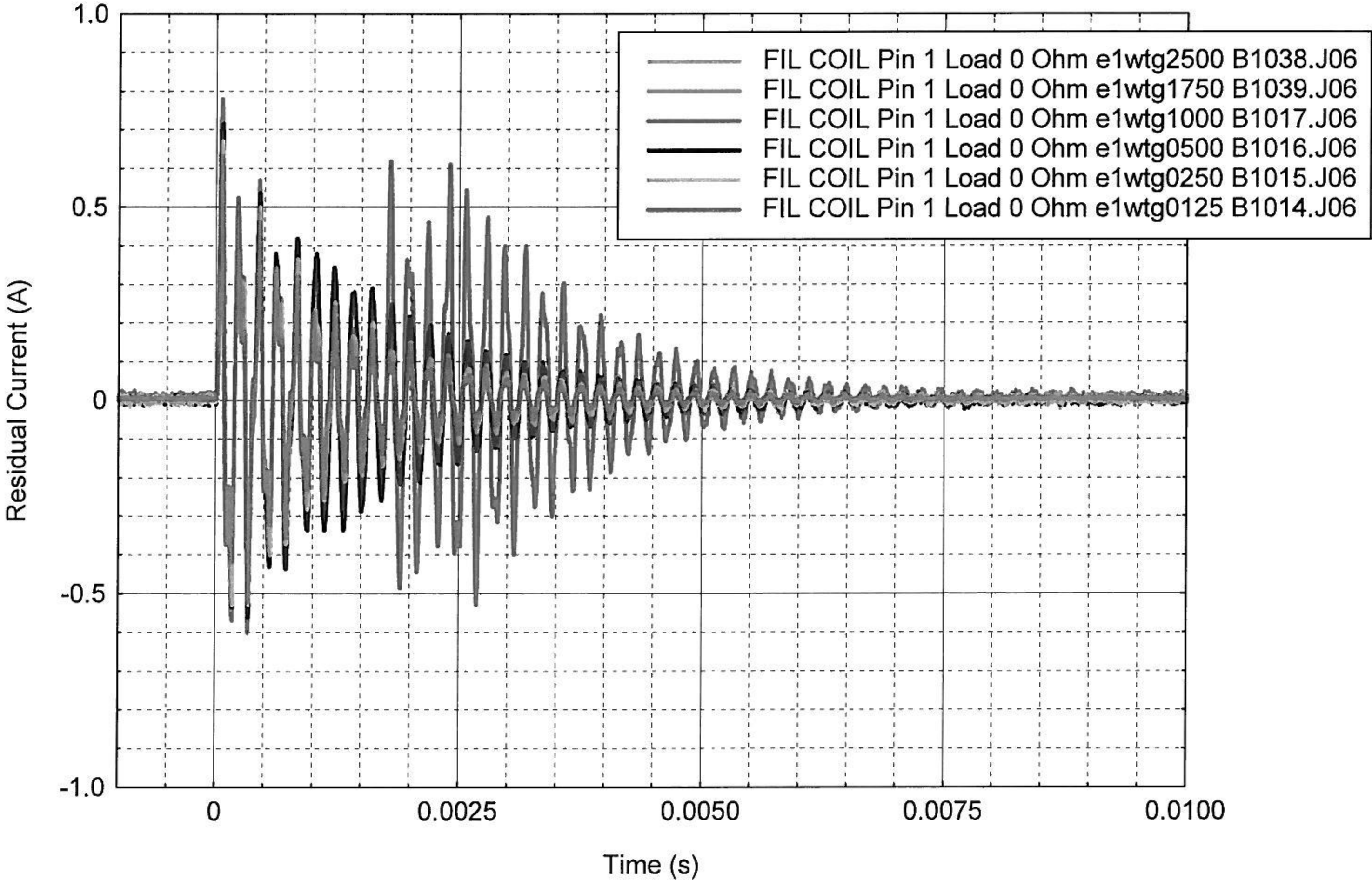
FilCoil E1 2 Ohm Load Acceptance Test Data

FIL COIL Pin 1 Load 2 Ohm e1wtg.ep



FilCoil E1 0 Ohm Load Acceptance Test Data

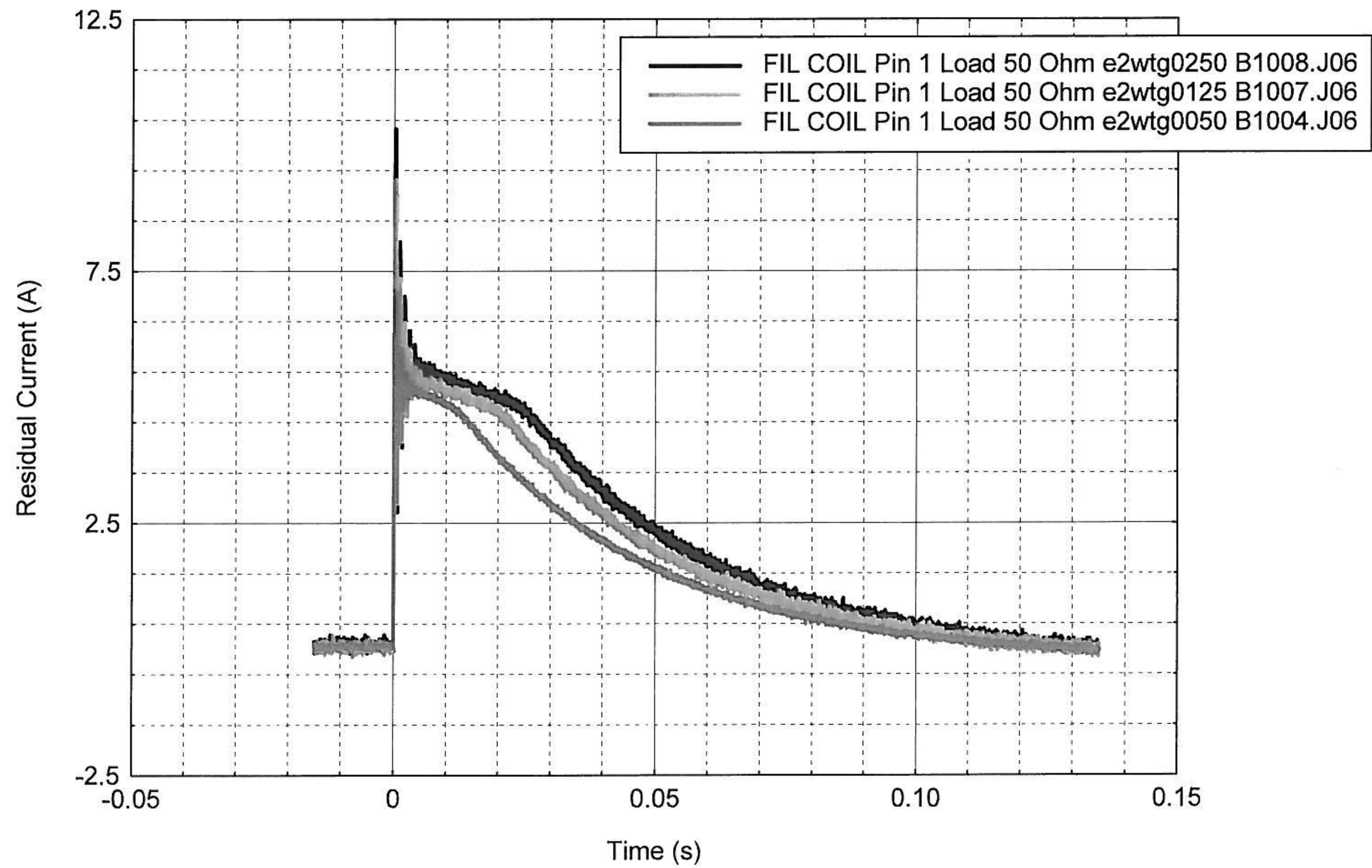
FIL COIL Pin 1 Load 0 Ohm e1wtg.ep



FilCoil E2

Acceptance Test Data

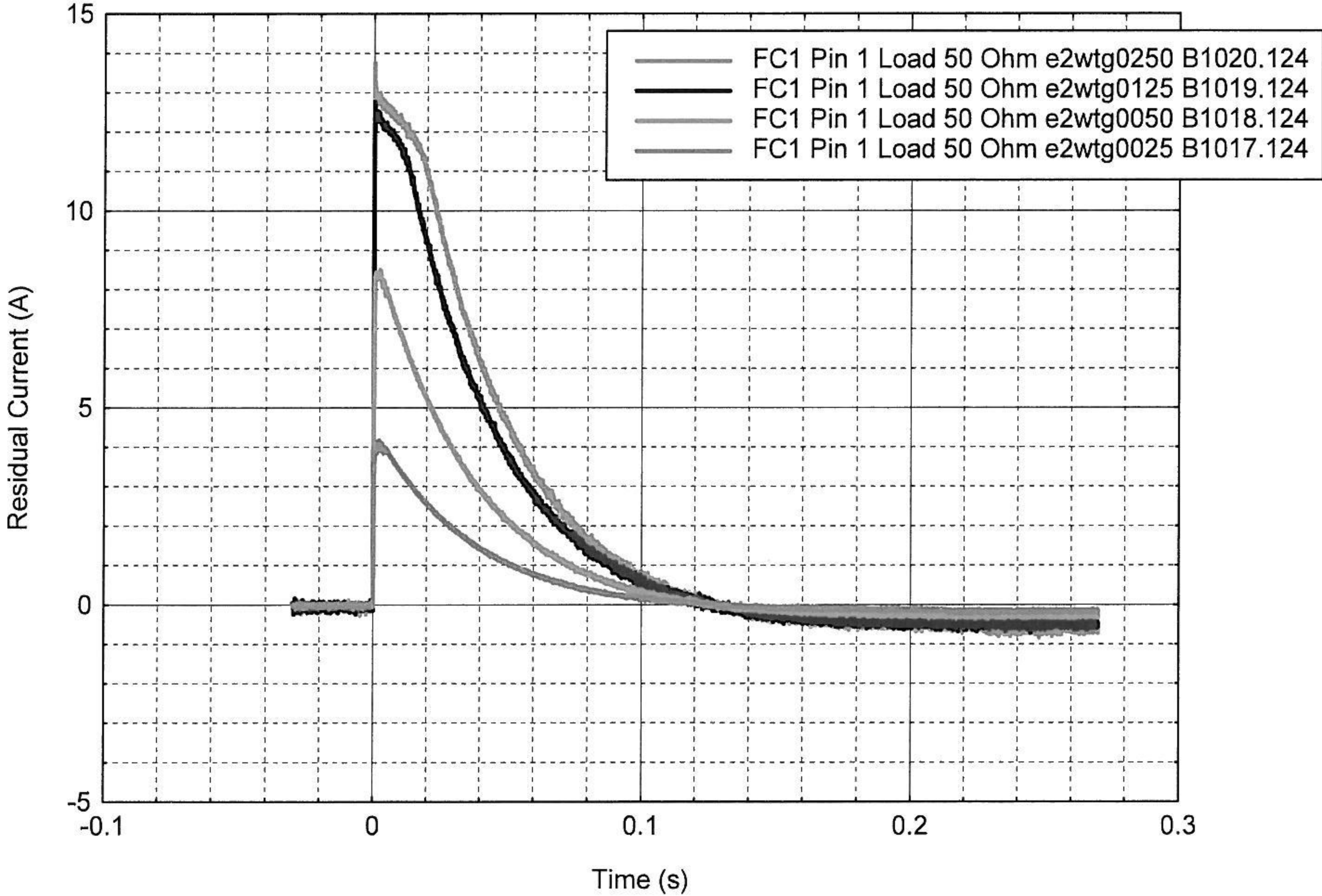
FIL COIL Pin 1 Load 50 Ohm e2wtg.ep



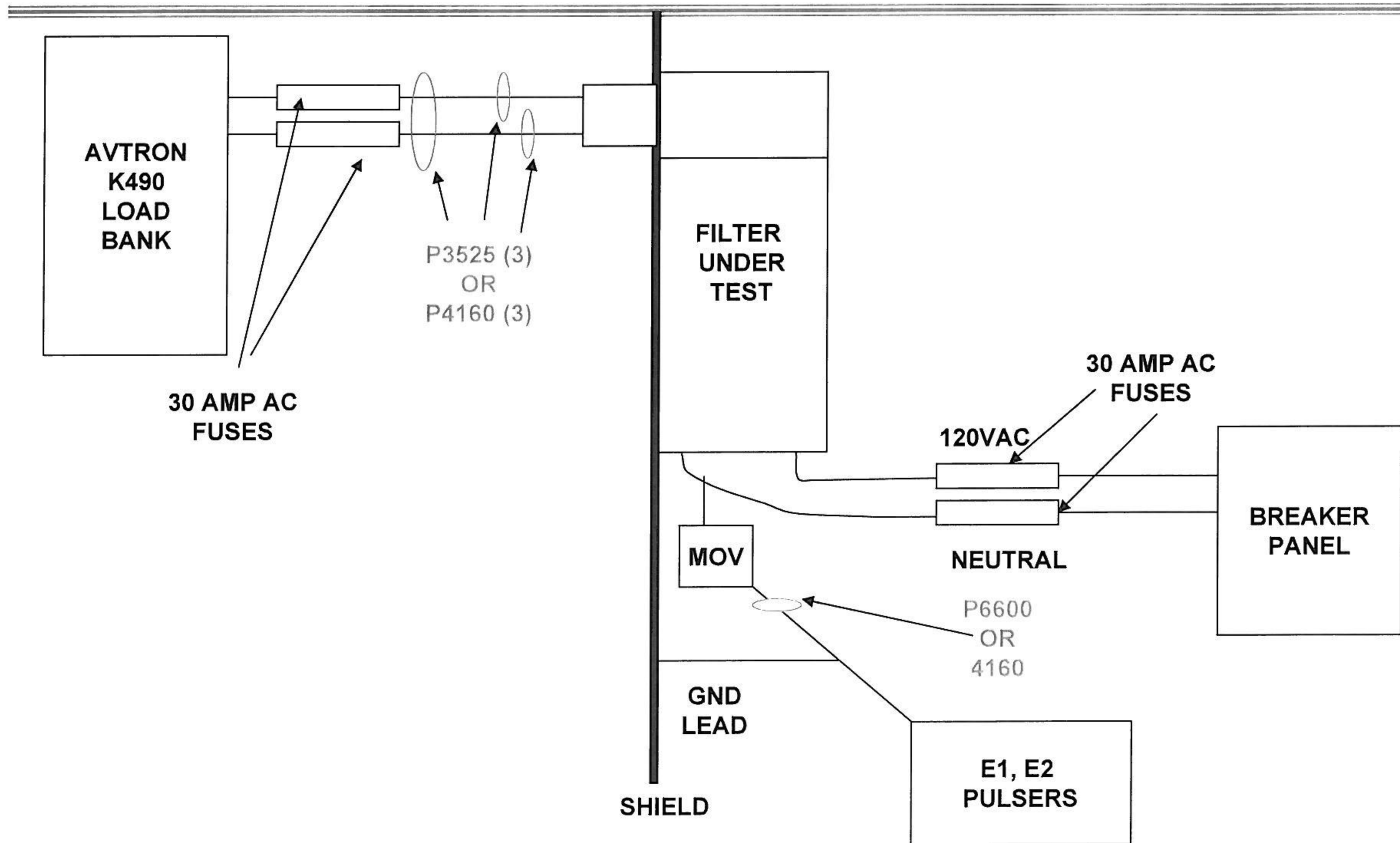
FilCoil E2

Acceptance Test Data

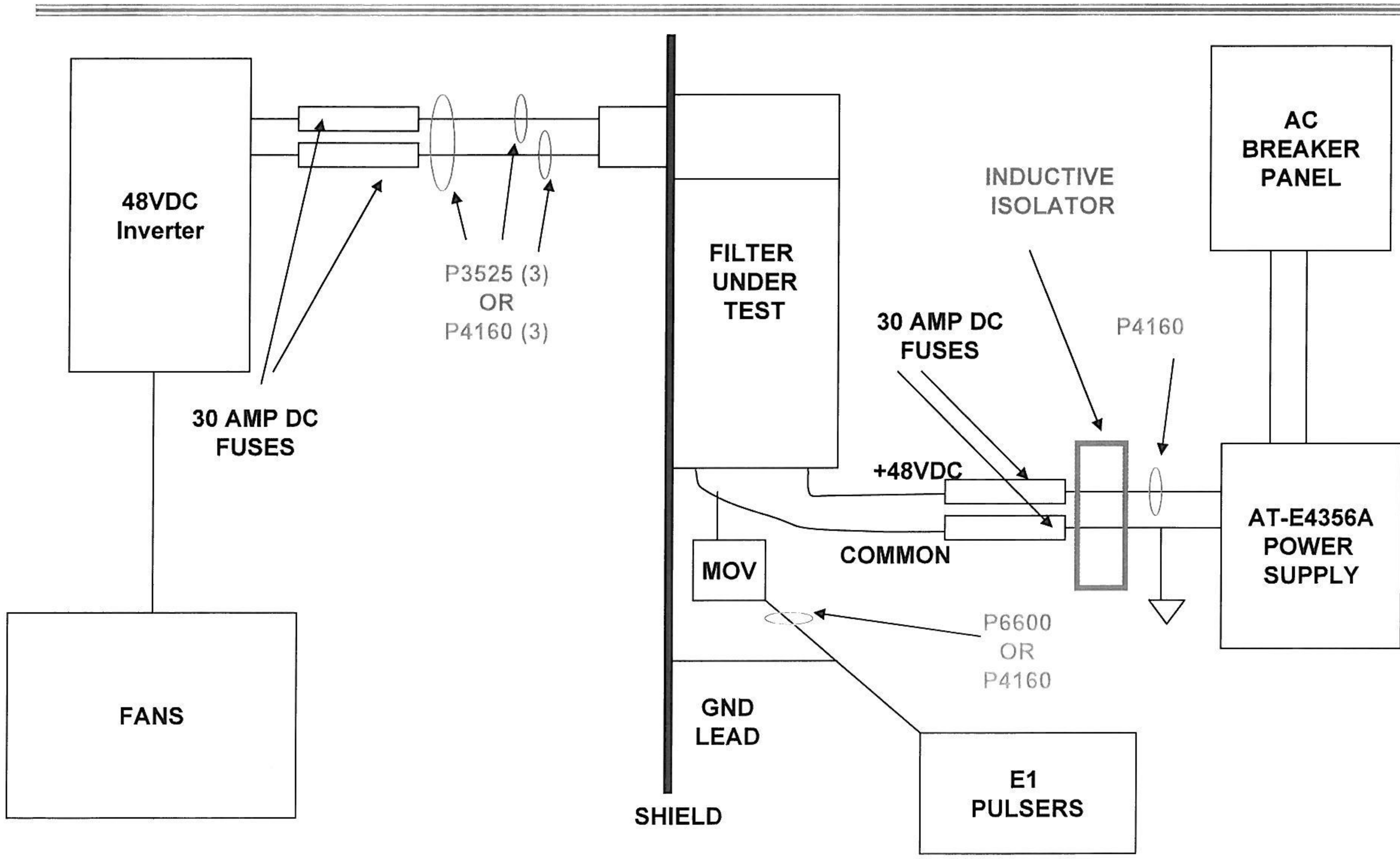
FC1 Pin 1 Load 50 Ohm e2wtg.ep



120VAC Setup



+48VDC Setup

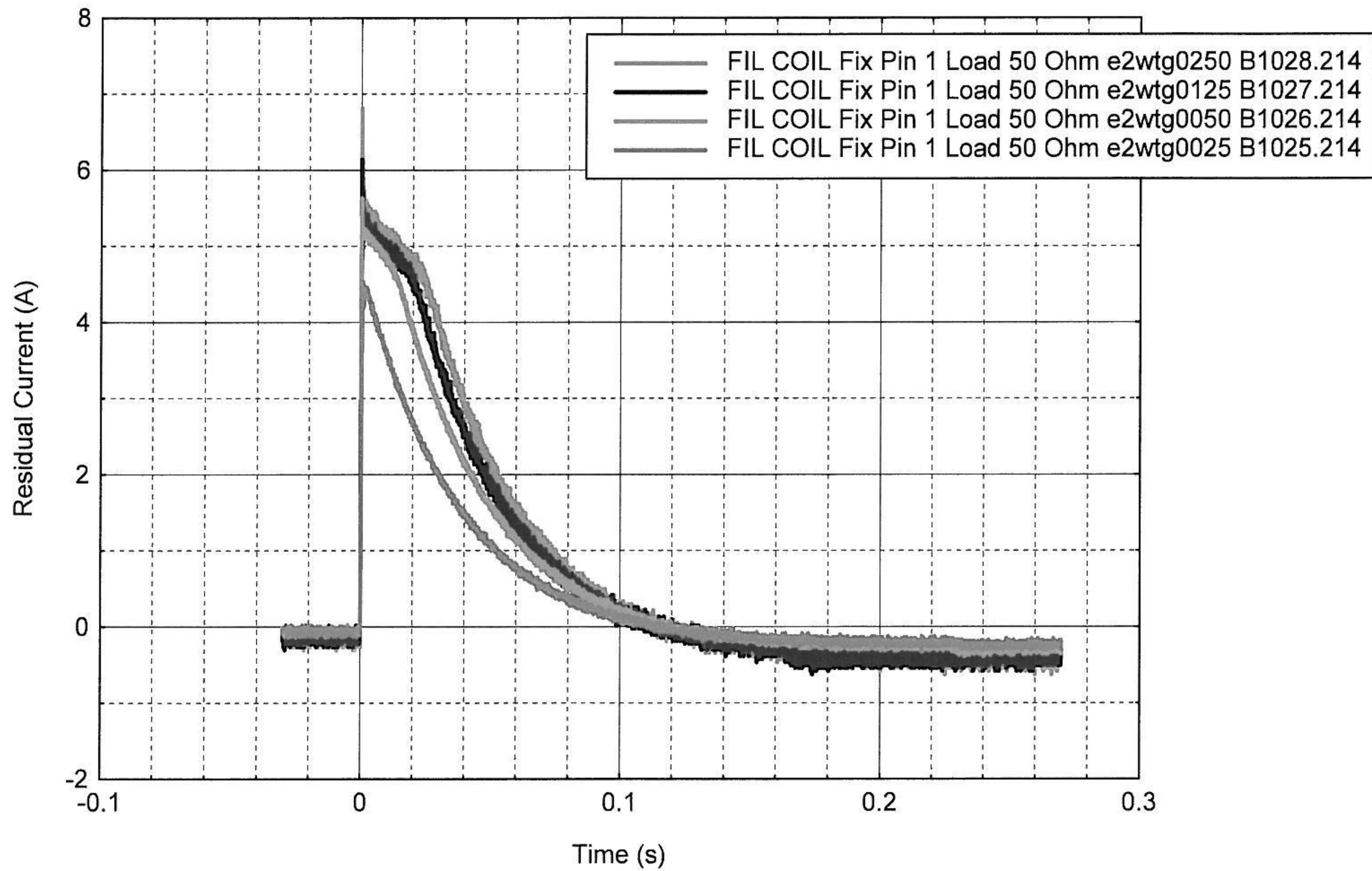


Important Note On Following Data

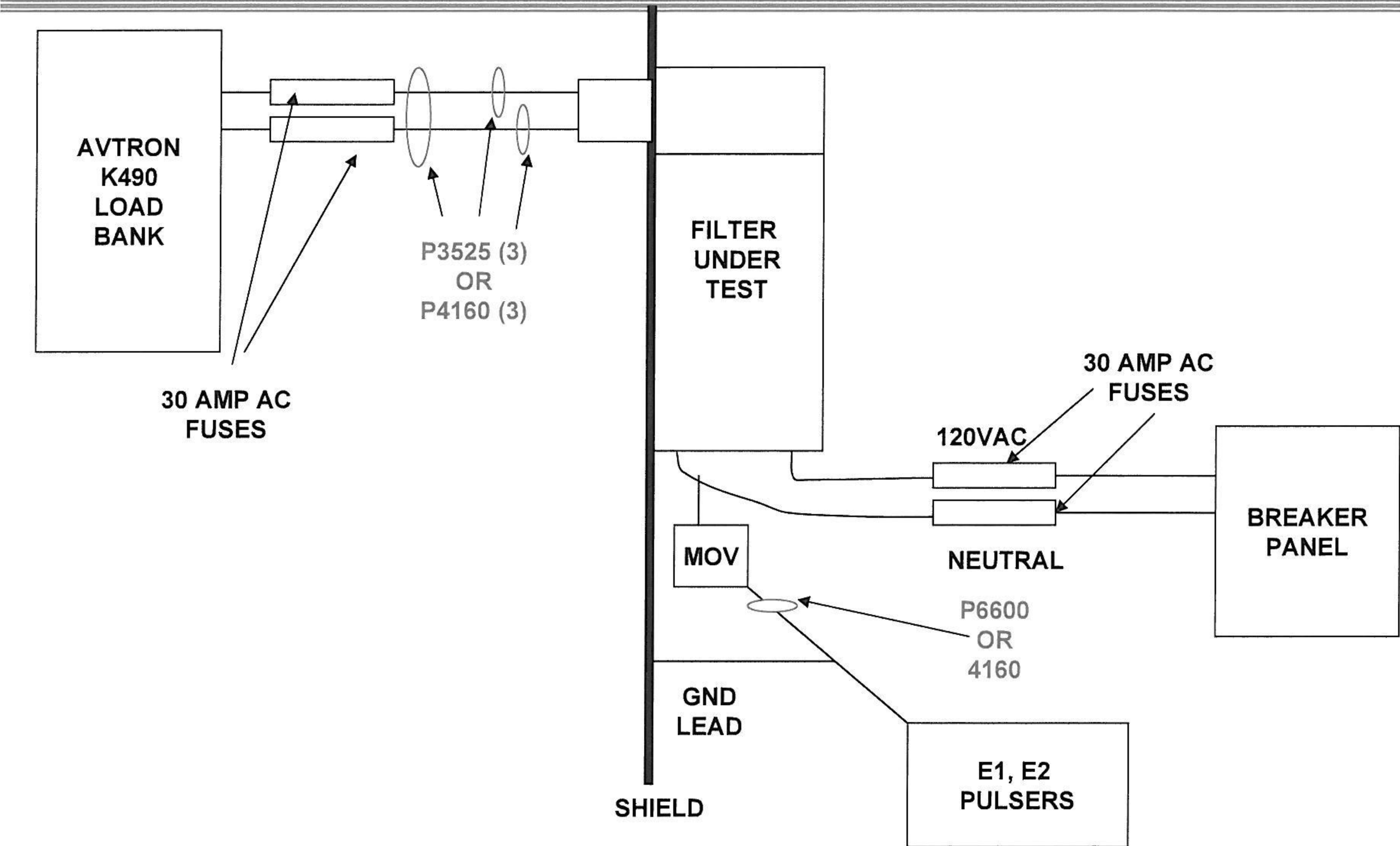
- MIL-STD-188-125-1 Common Mode Injections measure residuals with a common mode probe
 - However, with a resistive load bank, the common mode residuals are zero
 - A WTG measurement was taken to measure expected stress on loads within the cabinet
- Sensors are di/dt current sensors and do not measure the DC current (AC current is accurate)
 - The DC current residuals shown would “ride” on top of the DC ambient current
 - However, the inverter used as a load has a slight 30Hz ambient “noise”
- 5 and 20 amp continuous DC current into load during DC tests
 - Used Inverter to power fans

FilCoil Fix Pin 1 E2 50 Ohm Load

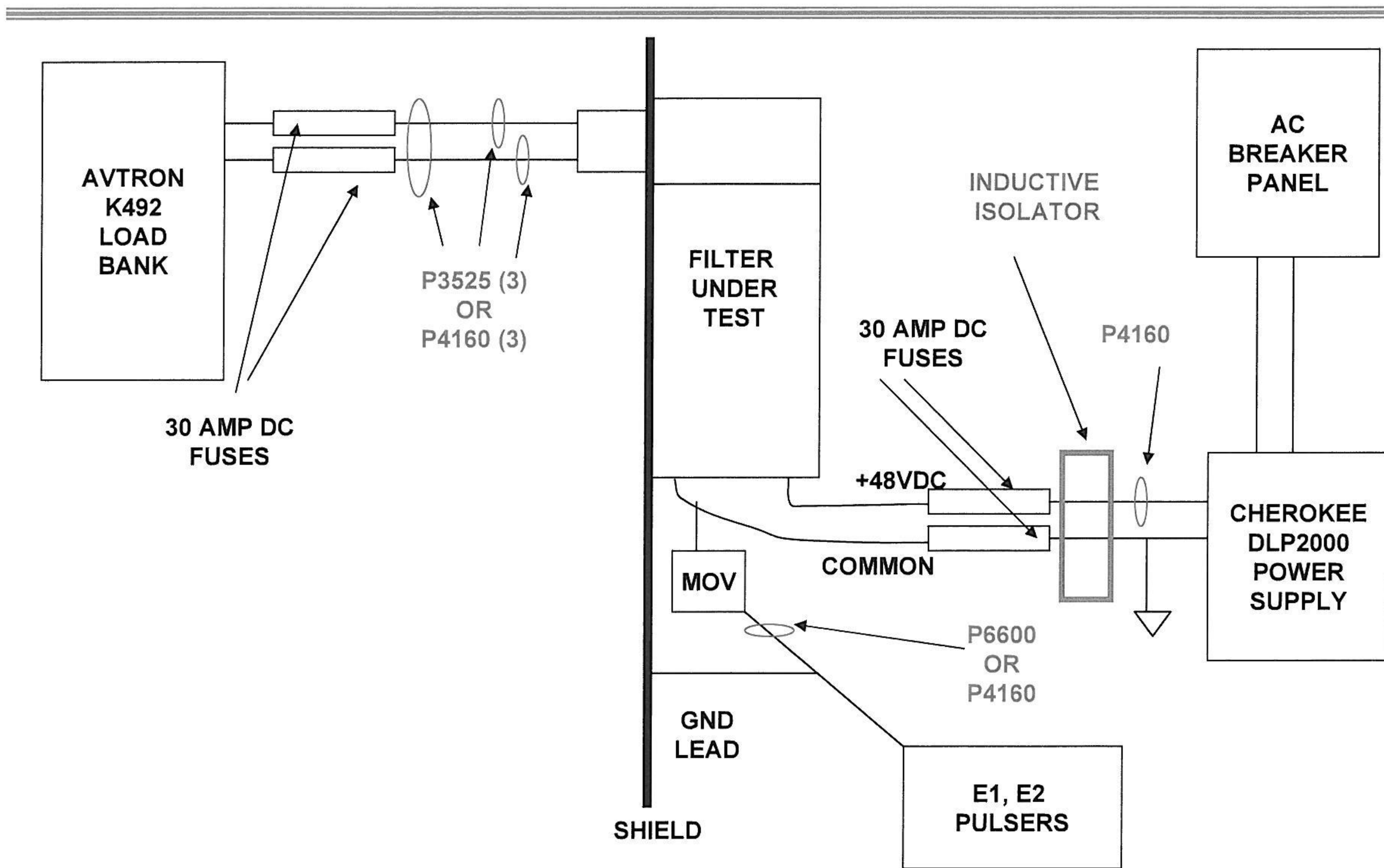
FIL COIL Fix Pin 1 Load 50 Ohm e2wtg.ep



120VAC Setup



+ 48VDC Setup



FilCoil E1 2 Ohm Load Acceptance Test Data

FC1 V131 Pin 1 Load 2 Ohm e1wtg.ep

