

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**66106A-06A**

# S E R V I C E N O T E

Supersedes:  
66106A-06

## 66106A DC Power Module

Serial Numbers: 0000A-00000 – 3306A-00222

### Leaky A2 Bias Supply Capacitors C401 & C405

To Be Performed By: Agilent-Qualified Personnel or Customer

#### Parts Required:

P/N	Description	Qty.
0180-3587	C401	1
0180-3587	C405	1

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.5 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: Product's Support Life	
AUTHOR: RJM	PRODUCT LINE: 33		
ADDITIONAL INFORMATION:			

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**Situation:**

There is a high probability for the A2 Bias Supply board capacitors C401 & C405 to become leaky and corrode the PCB, thus causing further damage to the A2 Bias and A1 Power PCB assemblies.

**Solution/Action:**

Replace Capacitors C401 and C405 “Nichicon” capacitors on the Bias Supply PC board.  
(C401 & C405 P/N: 0180-3587)

Visually inspect the A1 & A2 PCB areas for leakage, if leakage is evident then thoroughly clean the area with an appropriate PC board cleaner. Be sure to check J401 “Molex” connector on the PC board and the connector cable itself, replace the cable if it’s contaminated p/n 5080-2195.

If the bias board is beyond repair then replace it with tested assembly with p/n 5060-3455.

This fix will not affect the calibration / alignment of the unit.