

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E4351B-02

S E R V I C E N O T E

Supersedes:
NONE

E4351B Solar Array Simulator

Serial Numbers: US37430101/US37430418 & MY42000101/MY42000232

When the E4351B is operated at high line and no load “C723” may fail.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
0160-4065	CAP 0.1uF 250 V	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY x ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE x ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL:	
AUTHOR: cp	PRODUCT LINE: 33		
ADDITIONAL INFORMATION:			

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Situation:

It was determined that C723 is slightly underrated for the worst case specifications of the product. This part (Agilent P/N 0160-0168/MPN WMC2P1K) is rated at 200 volts DC, 125 volts AC. Under worst-case specified conditions of high line (127/254 VAC) and no load, C723 can be subjected to 195 volts peak and 138 volts RMS. This part is located across the main secondary winding of the power transformer.

C723 always fails shorted, opening the main line fuse.

A Failure of C723 will not affect the instruments calibration. After the main line fuse and C723 have been replaced calibration will not be required.

Solution/Action:

1. Change "C723" FROM (Agilent P/N 0160-0168/MPN WMC2P1K) TO Agilent P/N 0160-4065 (MPN PME271M610MR50)