

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

SUPERSEDES: NONE

**4263B LCR Meter**

Serial Numbers: JP1KD02861 / JP1KD04599

**Short correction value is large by only 100kHz on the Test Fixture**

To Be Performed By: Agilent-Qualified Personnel

**Parts Required:**

P/N	Description	Quantity
04263-85081	4263B ROM Rev.01.05	1

**Situation:**

This problem occurs when executing short correction for 4263B.

The short correction value does not get near to zero at the measurement parameter Ls-Q and only 100kHz by the Test Fixture with the shorting bar (5000-4226).

When the 42091A SHORT TERMINATION is used to short, then this problem will not be noticed.

*Continued*

DATE: May 1999

## 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 1.0 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 type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: KW	ENTITY: 3355	AGILENT RESPONSIBLE UNTIL: May 2001	
		ADDITIONAL INFORMATION:	

**Example**

The short correction value (typical) of the incorrect case and the correct case are the following.

The 4263B measurement conditions are as follows:

Measurement Parameter : Ls-Q

Measurement Time Mode : LONG

Test Signal Level : 1000mV

Test Signal Frequency : 100kHz

Measurement Range : Auto

Connect the test fixture the 16047C or the 16047D to the 4263B UNKNOWN terminals in order to execute short correction by the shorting bar (5000-4226).

**Incorrect case correction value**

- The 16047C with the shorting bar (5000-4226) is about 0.0030uH
- The 16047D with the shorting bar (5000-4226) is about 0.0180uH

**Correct case correction value**

- The 16047C with the shorting bar (5000-4226) is about 0.0001uH
- The 16047D with the shorting bar (5000-4226) is about 0.0001uH

**Solution / Action:**

Replace the ROM to revision 01.05.