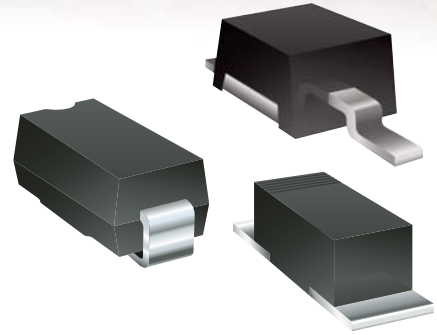


# Product Obsolescence Memo

Bourns Manufacturers Representatives  
 Corporate Distributor Product Managers  
 Americas Sales Team  
 Asia Sales Team  
 Europe Sales Team



January, 2008

## Non-RoHS Compliant Diode Part Number End of Life

Bourns has successfully provided RoHS compliant diodes with part number suffix "LF" to our customers since January 2005, with the result that the majority of Bourns customers have already switched to RoHS compliant part numbers during the past 3 years.

Due to lack of orders for SnPb models over the past 12 months with customers preferring to use RoHS compliant parts instead, effective immediately Bourns will no longer accept orders for diode part numbers using SnPb termination plating (without "LF" suffix).

The affected Bourns® part numbers include the following part number series:

<a href="#">CD214A-B Series</a>	<a href="#">CD214A-T Series</a>	<a href="#">CD214B-B Series</a>	<a href="#">CD214B-T Series</a>
<a href="#">CD214C-B Series</a>	<a href="#">CD214C-T Series</a>	<a href="#">CD216A-B Series</a>	<a href="#">CD1607-B Series</a>

To avoid customer production down time, Bourns is strongly urging and requesting that customers using Bourns® diode part numbers (without suffix "LF") switch to alternative lead free part numbers using the "LF" suffix with 100 % matte tin plating.

The RoHS compliant Bourns® diode part number with the "LF" suffix is backward compatible to the SnPb lower temperature 235 °C ~ 240 °C solder reflow process. I have attached solder bath temperature data to support the backward compatibility.



**Bourns Inc.**

**HI-REL EXPERIMENT SUMMARY**

DEPARTMENT : QA  
 PRODUCT : SMD SnPb bath  
 CRITERIAL : Vf(V)< mV @IF= A  
 v @IR= uA  
 uA @PIV= V  
 PIV(V)>  
 IR(uA)<

DATE : AUG/17/2006  
 EXP.# : N/A  
 LOT NO: N/A  
 D/C : N/A  
 P/N: N/A

NO.	TEST ITEMS	CONDITION	Machine No.	DURATION	FAILURE RATE	PARAMETER	X BAR	S DEV.	MAX.	MIN.
M	SMA Solderability	225 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—
M	SMA Solderability	240 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—
M	SMB Solderability	225 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—
M	SMB Solderability	240 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—
M	SMC Solderability	225 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—
M	SMC Solderability	240 +/- 5°C	Q0136	5 SECS	0/10	— —	—	—	—	—

COMMENTS :

TESTED BY : Zhang-xiaomei

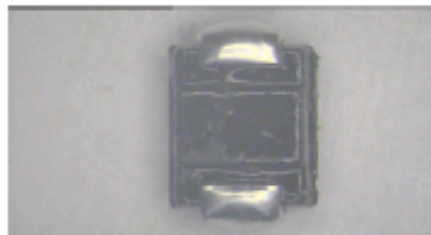
COMMENTS :

ENGINEER : \_\_\_\_\_

MANAGER : \_\_\_\_\_



<b>PART NO:</b>	<b>SMA</b>	<b>DATE :</b>	<b>AUG/17/2006</b>
<b>TEST ITEM :</b>	<b>Solderability</b>	<b>EXP.# :</b>	<b>N/A</b>
<b>TEST CONDITION :</b>	<b>240 +/- 5°C</b>	<b>LOT NO:</b>	<b>N/A</b>
		<b>D/C :</b>	<b>N/A</b>
<b>DURATION :</b>	<b>5 SECS</b>	<b>P/N:</b>	<b>N/A</b>



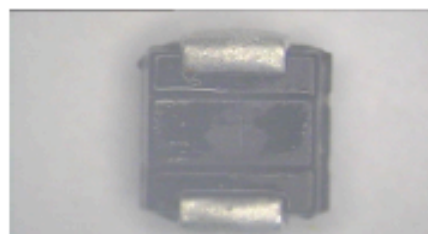
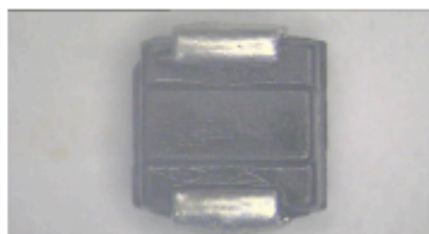
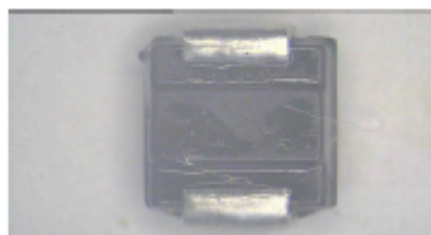
**FAILURE RATE:** 0/10

**TESTED BY :** Zhang-xiaomei

**ENGINEER:**

FIV-QA409-0

<b>PART NO:</b>	<b>SMB</b>	<b>DATE :</b>	<b>AUG/17/2008</b>
<b>TEST ITEM :</b>	<b>Solderability</b>	<b>EXP.# :</b>	<b>N/A</b>
<b>TEST CONDITION :</b>	<b>225 +/- 5°C</b>	<b>LOT NO:</b>	<b>N/A</b>
		<b>D/C :</b>	<b>N/A</b>
<b>DURATION :</b>	<b>5 SECS</b>	<b>P/N:</b>	<b>N/A</b>



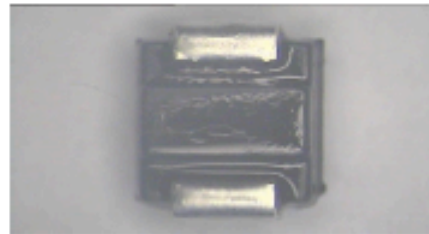
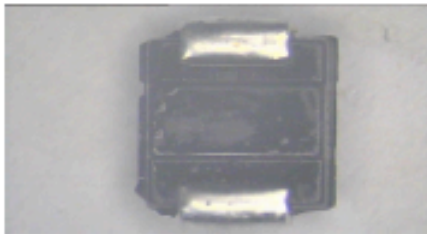
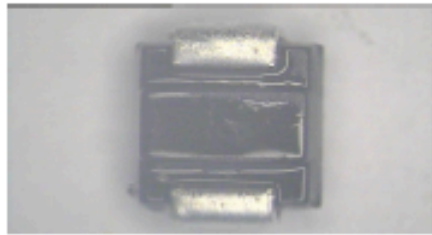
**FAILURE RATE:** 0/10

**TESTED BY :** Zhang-xiaomei

**ENGINEER:**

FIV-QA408-0

PART NO: SMB DATE : AUG/17/2008  
TEST ITEM : Solderability EXP.# : N/A  
TEST CONDITION : 240 +/- 5°C LOT NO: N/A  
D/C : N/A  
DURATION : 5 SECS P/N: N/A



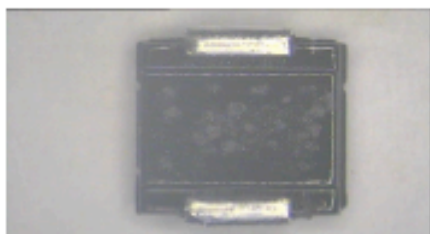
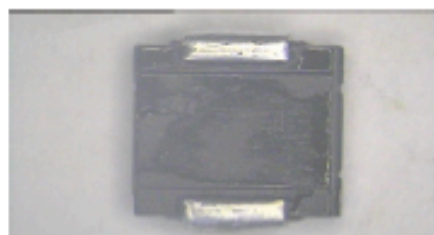
FAILURE RATE: 0/10

TESTED BY : Zhang-xiaomei

ENGINEER:

FIV-QA409-0

<b>PART NO:</b>	<b>SMC</b>	<b>DATE :</b>	<b>AUG/17/2008</b>
<b>TEST ITEM :</b>	<b>Solderability</b>	<b>EXP.# :</b>	<b>N/A</b>
<b>TEST CONDITION :</b>	<b>225 +/- 5°C</b>	<b>LOT NO:</b>	<b>N/A</b>
		<b>D/C :</b>	<b>N/A</b>
<b>DURATION :</b>	<b>5 SECS</b>	<b>P/N:</b>	<b>N/A</b>



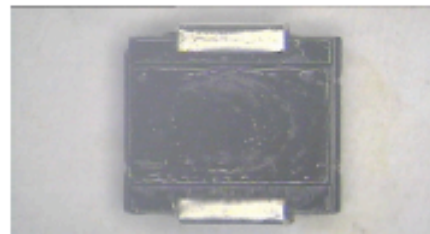
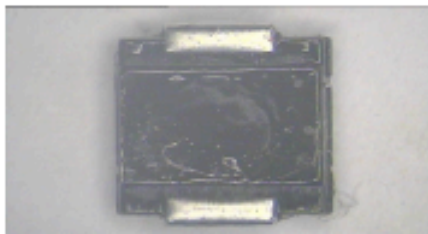
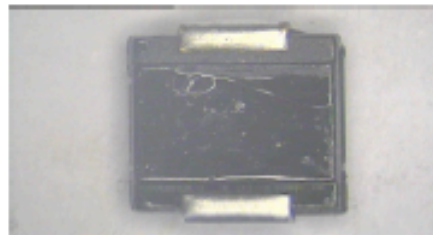
**FAILURE RATE:** 0/10

**TESTED BY :** Zhang-xiaomei

**ENGINEER:**

FIV-QA409-0

PART NO: SMC DATE : AUG/17/2008  
TEST ITEM : Solderability EXP.# : N/A  
TEST CONDITION : 240 +/- 5°C LOT NO: N/A  
D/C : N/A  
DURATION : 5 SECS P/N: N/A



FAILURE RATE: 0/10

TESTED BY : Zhang-xiaomei

ENGINEER:

FIV-QA409-0