

# Product / Process Change Notification

2004-06-01

**OS-PCN-2004-005-A**

**BU 43/88**

## Change from tin/lead (SnPb) plating to leadfree (Sn100) plating for radial products

Attached you find the process change notification PCN-N° **OS-PCN-2004-005-A**.

**Please forward this information to all affected customers as soon as possible.**

If we receive no response to the contrary until **09. July 2004** at the latest we assume, that your customers have been informed and are in agreement with our outlined intentions.

JEDEC STANDARD "JESD46-B" stipulates: "Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."

Request of sample order within 30 days after PCN receipt.

Complete customer information package is available on OSRAM Intranet .

<http://app.rbg.osram-os.com/pcn/>

Please address any questions on this issue to PCN author:

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E-Mail	<a href="mailto:Michael.Brandl@osram-os.com">Michael.Brandl@osram-os.com</a>

**In case your distribution address changes please inform via E-mail to:**  
[PCN@osram-os.com](mailto:PCN@osram-os.com)

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**OS-PCN-2004-005-A**

**Dear Customer,**

please find attached our OSRAM OS PCN:

**“Change from tin/lead (SnPb) plating to leadfree (Sn100) plating for radial products ”**

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **09. July 2004**.
- OSRAM OS aligns with the widely-recognized JEDEC STANDARD “JESD46-B”, which stipulates: “Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.”

Your prompt reply will help OSRAM OS to assure a smooth and well executed transition. If OSRAM OS does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

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**OS-PCN-2004-005-A**

<b>SUBJECT OF CHANGE:</b>	<b>Change from tin/lead (SnPb) plating to leadfree (Sn100) plating for radial products</b>	
<b>PRODUCTS AFFECTED:</b>	Radial products. For Details please refer to 1_cip_OS-PCN-2004-005-A_Product_List	
<b>REASON OF CHANGE:</b>	<b>DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS directive)</b>	
<b>DESCRIPTION OF CHANGE:</b>	<b>OLD</b>	<b>NEW</b>
	products plated with tin/lead (SnPb) galvanics	RoHS compliant products using leadfree (Sn100) plating on Ni underlayer
<b>PRODUCT IDENTIFICATION:</b>	n.a.	Product label states „RoHS compliant“
<b>TIME SCHEDULE:</b>	Samples available	01.09.2004
	Qualification data	available, please refer to 2_cip_OS-PCN-2004-005-A
	Start of delivery Sn100	01.12.2004
	End of delivery SnPb	30.04.2005
	100% deliveries with Sn100	01.05.2005
<b>ASSESSMENT:</b>	<p>Sn100 plated radial devices can replace SnPb devices without process adaptations. The TTW soldering profile remains the same.</p> <p>Sn100 products can be soldered in SnPb and leadfree soldering processes.</p> <p>To secure deliveries of SnPb plated products during line conversion, SnPb galvanics are shifted to subcontractor.</p> <p>Phase out of SnPb devices from December 04 to April 2005. From 01 May 2005 onwards, no SnPb device will be delivered anymore.</p>	
<b>DOCUMENTATION:</b>	1_cip_OS-PCN-2004-005-A_Product_List 2_cip_OS-PCN-2004-005-A	

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## Customer Approval Form

**Change from tin/lead (SnPb) plating to leadfree (Sn100) plating for radial products**

Please list product(s) affected in your application(s): .....		
Please check the appropriate box below:		
<input type="checkbox"/> <b>We agree with this proposed change and its schedule.</b>		
<input type="checkbox"/> <b>We have objections:</b> .....		
<input type="checkbox"/> <b>We need more information:</b> .....		
<input type="checkbox"/> <b>We need samples.</b>		
<b>Sender:</b>	<b>Company:</b>	<b>Name:</b>
Address/Location:		
Signature		Date
<b>Please return to : your Sales partner</b>		<b>Name:</b>
Address/Location:		
TELEPHONE .....	FAX .....	E-MAIL .....