



Commercial Business Unit
Microsemi Corporation

Microsemi Commercial Offshore de Macau Limitada
Avenida Doutor Mario Soares
Bank of China Building, 18/F, Unit D
Macau SAR

PRODUCT CHANGE NOTIFICATION

Date created : 27 May 2009
Date issued : 27 May 2009
PCN # : 200901 Rev 1

PCN # 2009001 Rev 1: Clamping Voltage (Vc) change for RT100KP family of devices and removal of part numbers RT100KP33, RT100KP33e3, RT100KP33A, RT100KP33Ae3, RT100KP33C, RT100KP33Ce3, RT100KP33CA, RT100KP33CAe3, RT100KP36, RT100KP36e3, RT100KP36A, RT100KP36Ae3, RT100KP36C, RT100KP36Ce3, RT100KP36CA, and RT100KP36CAe3.

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact Microsemi Corporation within **30 days** of receipt of this notification.

If you have any questions concerning this change, please contact:

Main Contact

Name: Steve Bulissa
e-mail: sbulissa@microsemi.com
Phone: +1 480 941 6300

Alternate Contact

Name: Mary Mannion
e-mail: mmannion@microsemi.com
Phone: + 353 65 686 9126

PCN Originator:

Name: Scott Hudson
e-mail: shudson@microsemi.com
Phone: + 1 602 757 4288

Product affected: RT100KP family of devices.

Implementation of change: Immediate

Description of change: All clamping voltages (Vc) have been changed to reflect a clamping factor of 1.6 (see attached datasheet). Also, device types RT100KP33A and RT100KP36A have been eliminated and will no longer be available.

Reason for change: Clamping voltage characteristics were developed based on a model that had minimum effects for lead resistance and inductance. Further testing



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revealed that actual in-use conditions (minimum lead length) adds considerable impedance that manifests itself as an increase in clamping voltage. Care should be taken to minimize lead length.

Test samples available : N/A

Requested Customer Response:

(please fill in and return by e-mail, fax or mail within 30 days)

- | | |
|---|------------------------|
| <input type="radio"/> Acceptable | Company: _____ |
| <input type="radio"/> Unacceptable (please comment) | Name & Position: _____ |
| <input type="radio"/> Not applicable | Phone/Fax No.: _____ |

Note: Written response or written acknowledgement with statement of approval criteria must be received within thirty days of the date of this PCN or Microsemi will consider this change approved.