

PRODUCT CHANGE NOTICE

Data Sheet Specification Change for Intersil ISL8502* Product

**Refer to:
PCN10067**

Date: June 29, 2010

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To: Our Valued Intersil Customers

Subject: Data Sheet Specification Change for Intersil ISL8502* Product

This notice is to inform you that Intersil has updated the data sheet specification for the listed ISL8502* products. The updates consist of the following:

- i) The *Continuous Output Current* capability was changed from 2.5 Amps to 2.0 Amps in the Product Description and Features sections.
- ii) The *Positive Current Limit* (I_{POC_peak}) and *Negative Current Limit* (I_{NON_peak}) parameters in the *Protection* section of the Electrical Specifications table have been redefined based on temperature range with the minimum and maximum limits adjusted accordingly.

The changes above align the data sheet with the product characteristics and are necessary to maintain product manufacturability in support of customer delivery requirements. Modifications to the data sheet specification incorporating the changes are complete. The updated data sheet is available on the Intersil web site at <http://www.intersil.com/data/fn/fn6389.pdf>.

Products affected:

| | | |
|--------------|-------------------|-------------------|
| ISL8502IRZ | ISL8502IRZ-TS2378 | ISL8502IRZ-TS2695 |
| ISL8502IRZ-T | ISL8502IRZ-TS2568 | |

There have been no changes to the device silicon and there will be no change in external marking of the packaged parts. Parts affected by this change are identifiable via Intersil's internal traceability system.

Intersil will take all necessary actions to conform to customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product electrically screened to the revised limits beginning *ninety* days from the date of this notification or earlier with approval.

If you have concerns with this change notice, Intersil must hear from you immediately. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.



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Intersil Corporation

PCN10067

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PCN10067 –Electrical Specification Changes

Current

| PROTECTION | | | | | | |
|------------------------|-----------|---|-----|-----|-----|---|
| Positive Current Limit | I_{POC} | $V_{IN} = V_{CC} = 5V$, IOC from PHASE to PGND. (Notes 5, 6) | 2.8 | 3.5 | 4.0 | A |
| Negative Current Limit | I_{NOC} | $V_{IN} = V_{CC} = 5V$, IOC from VIN to PHASE. (Notes 5, 6) | 2.2 | 3.0 | 3.5 | A |

New

| PROTECTION | | | | | | |
|------------------------|-----------------|---|-----|-----|-----|---|
| Positive Current Limit | I_{POC_peak} | IOC from V_{IN} to PHASE (Notes 5, 6) ($T_A = 0^{\circ}C$ to $+85^{\circ}C$) | 2.1 | 3.5 | 4.5 | A |
| | | IOC from V_{IN} to PHASE (Notes 5, 6) ($T_A = -40^{\circ}C$ to $+0^{\circ}C$) | 2.0 | 3.4 | 4.0 | A |
| Negative Current Limit | I_{NOC_peak} | IOC from PHASE to PGND (Notes 5, 6) ($T_A = 0^{\circ}C$ to $+85^{\circ}C$) | 2.2 | 3.0 | 3.5 | A |
| | | IOC from PHASE to PGND (Notes 5, 6) ($T_A = -40^{\circ}C$ to $+85^{\circ}C$) | 1.9 | 2.8 | 3.7 | A |