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# **PRODUCT ADVISORY NOTICE**

**Data Sheet Specification  
Change for Intersil Products  
EL8170FSZ\* and  
EL8173FSZ\***

**Refer to:  
PA13053**

**Date: October 16, 2013**

October 16, 2013

To: Our Valued Intersil Customer

Subject: **Data Sheet Specification Change for Intersil Products EL8170FSZ\* and EL8173FSZ\***

This notice is to inform you that Intersil has changed the data sheet specification for the listed EL8170FSZ\* and EL8173FSZ\* products. The changes to the *Thermal Information and ESD Rating* sections align the data sheet with the product characteristics. Details regarding the change are contained on the following pages. The updated data sheet is available on the Intersil web site at <http://www.intersil.com/content/dam/Intersil/documents/fn74/fn7490.pdf>.

Products affected:

EL8170FSZ	EL8170FSZ-T7	EL8170FSZ-T7A
EL8173FSZ	EL8173FSZ-T7	

There have been no changes made to the die/silicon. 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 agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to continue receiving product processed to the same established conditions and systems used for manufacturing of material supplied today.

If you have concerns with this notice, Intersil must hear from you promptly. 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.

Regards,



Jeffrey Touvell  
Intersil Corporation

PA13053

CC: M. Carmody    P. Lee    D. LaFontaine

# PA13053 Data Sheet Updates

## From:

### EL8170, EL8173

#### Absolute Maximum Ratings ( $T_A = +25^\circ\text{C}$ )

Supply Voltage, $V_+$	5.75V, 1V/ $\mu\text{s}$
Differential Input Current	5mA
Differential Input Voltage	
EL8170	0.5V
EL8173	1.0V
ESD Rating	
Human Body Model	.3kV

#### Thermal Information

Thermal Resistance (Typical Note 1)	$\theta_{JA}$ ( $^\circ\text{C}/\text{W}$ )
8 Ld SOIC Package	110
Output Short-Circuit Duration	Indefinite
Ambient Operating Temperature	$-40^\circ\text{C}$ to $+125^\circ\text{C}$
Storage Temperature	$-65^\circ\text{C}$ to $+150^\circ\text{C}$
Pb-Free Reflow Profile	see link below <a href="http://www.intersil.com/pbfree/Pb-FreeReflow.asp">http://www.intersil.com/pbfree/Pb-FreeReflow.asp</a>

CAUTION: Do not operate at or near the maximum ratings listed for extended periods of time. Exposure to such conditions may adversely impact product reliability and result in failures not covered by warranty.

#### NOTE:

1.  $\theta_{JA}$  is measured with the component mounted on a high effective thermal conductivity test board in free air. See Tech Brief TB379 for details.

# PA13053 Data Sheet Updates

## To:

### EL8170, EL8173

#### Absolute Maximum Ratings ( $T_A = +25^\circ\text{C}$ )

Supply Voltage Range, $V_+$	5.75V, 1V/ $\mu\text{s}$
Differential Input Current	5mA
Differential Input Voltage	
EL8170	0.5V
EL8173	1.0V
ESD Rating	
Human Body Model (EL8173)	2500V
Machine Model	250V

#### Thermal Information

Thermal Resistance (Typical)	$\theta_{JA}$ ( $^\circ\text{C}/\text{W}$ )
8 Ld SOIC Package (Note 1)	122
Output Short-Circuit Duration	Indefinite
Ambient Operating Temperature	$-40^\circ\text{C}$ to $+125^\circ\text{C}$
Storage Temperature	$-65^\circ\text{C}$ to $+150^\circ\text{C}$
Pb-Free Reflow Profile	see link below <a href="http://www.intersil.com/pbfree/Pb-FreeReflow.asp">http://www.intersil.com/pbfree/Pb-FreeReflow.asp</a>

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