

Dear Customer,

With this INFINEON Technologies Information Note we would like to inform you about the following

**Datasheet adaptation of condition of parameter 4.2.4 IL(IS) “load current range for sense functionality”**

**Affecting products BTS50050-1EGA, BTS50060-1EGA, BTS50080-1EGA**

## Datasheet update affecting products BTS50050-1EGA, BTS50060-1EGA, BTS50080-1EGA

► Products affected:	Sales Name	SP N°	OPN	Package
	BTS50050-1EGA	SP000410462	BTS500501EGAAUMA1	PG-DSO-12-16
	BTS50060-1EGA	SP000299539	BTS500601EGAAUMA1	PG-DSO-12-16
	BTS50080-1EGA	SP000410466	BTS500801EGAAUMA1	PG-DSO-12-16

### ► Detailed Change Information:

**Subject:** Datasheet adaptation of condition of parameter 4.2.4 IL(IS) “load current range for sense functionality” for  
BTS50050-1EGA, BTS50060-1EGA, BTS50080-1EGA

**Reason:** Harmonization with kilis specification 7.5.5 kILIS “current sense ratio, static on condition” at IL=1.5A.  
Harmonization of parameter symbols: renamed Vz,IS by VIS(CL).

#### Description:

##### Old

$I_{IS} - I_{IS(LH)} > 20\mu A$  **30μA**  
 $I_{IS(lim)} > I_{IS}$   
 $V_{bb} = V_{BB(nor)}$   
 $V_{IN} = V_{DEN} = 5V$   
 $V_{bIS} > 5V$

##### New

$I_{IS} - I_{IS(LH)} > 30\mu A$  **20μA**  
 $I_{IS(lim)} > I_{IS}$   
 $V_{bb} = V_{BB(nor)}$   
 $V_{IN} = V_{DEN} = 5V$   
 $V_{bIS} > 5V$

### ► Product Identification:

No change  
Traceability will be ensured via lot and date code

### ► Impact of Change:

No change of product (neither of technology/package nor of chip design), only change of data sheet

### ► Attachments:

3\_cip02417 Data Sheets

### ► Intended start of delivery:

15-June-2017

If you have any questions, please do not hesitate to contact your local Sales office.