

INFORMATION NOTE



N° 004/14

Correction and harmonization of data sheets for 600V IGBT and diode products

Subject of Change: Correction and harmonization of data sheets for 600V IGBT and diode products.

Products affected: Refer to attachment 1_cip00414

Reason of Change: Correction of partly inconsistent I_R / I_{CES} values ($@T_j=T_{jmax}$) in data sheets. Indication of halogen-free property in all relevant data sheets. Harmonization of appearance for 600V datasheets.

Description of Change:	<u>Old</u>	<u>New</u>
I_R / I_{CES} value ($@T_j=T_{jmax}$) in data sheet	Refer to attachment 1_cip00414	Refer to attachment 1_cip00414
Datasheet revision	Refer to attachment 1_cip00414	Refer to attachment 1_cip00414
Logos (RoHS, halogen-free, Pb-free, Green) in header	Partly missing	Inserted where applicable
<u>For IGBT & Duopaks only:</u>		
Additional conditions under section "Maximum Ratings"		$T_j \geq 25^\circ\text{C}$ for Collector-emitter voltage (V_{CE}) $T_p = 1\mu\text{s}$ for Turn off safe operating area
Storage temperature (T_{stg})	-55...+175°C	-55...+150°C
V_{CE} value in figure 20 (except for IHW40N60R, IHW40N60RF and IHW40T60)	$V_{CE}=600\text{V}$	$V_{CE}=400\text{V}$

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Assessment:

All products remain unchanged (i.e. no change in materials, manufacturing processes, production sites, test programs etc.).

Time Schedule:

From 05-05-2014 onwards all corrected datasheets will be published under www.infineon.com.

Documentation:

1_cip00414: Product list

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

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Salesname	$I_R/I_{CES} @ T_j = T_{j,max}$		Revision	
	old	new	old	new
IDB09E60	unchanged		Rev. 2.3	Rev. 2.4
IDB15E60	unchanged		Rev. 2.3	Rev. 2.4
IDB23E60	unchanged		Rev. 2.3	Rev. 2.4
IDB30E60	unchanged		Rev. 2.3	Rev. 2.4
IDB45E60	unchanged		Rev. 2.3	Rev. 2.4
IDD03E60	unchanged		Rev. 2.3	Rev. 2.4
IDD06E60	unchanged		Rev. 2.3	Rev. 2.4
IDD09E60	unchanged		Rev. 2.3	Rev. 2.4
IDD15E60	unchanged		Rev. 2.3	Rev. 2.4
IDP06E60	unchanged		Rev. 2.4	Rev. 2.5
IDP15E60	unchanged		Rev. 2.5	Rev. 2.6
IDP23E60	unchanged		Rev. 2.4	Rev. 2.5
IDP30E60	unchanged		Rev. 2.4	Rev. 2.5
IDP45E60	unchanged		Rev. 2.4	Rev. 2.5
IDW50E60	1000µA	1650µA	Rev. 1.2	Rev. 2.2
IDW75E60	1000µA	2500µA	Rev. 2.1	Rev. 2.2
IDW100E60	1000µA	3300µA	Rev. 2.2	Rev. 2.3
IGA30N60H3	1000µA	2000µA	Rev. 2.1	Rev. 2.3
IGB10N60T	unchanged		Rev. 1.2	Rev. 2.0
IGB15N60T	unchanged		Rev. 2.4	Rev. 2.5
IGB20N60H3	1000µA	1500µA	Rev. 1.1	Rev. 2.3
IGB30N60H3	1000µA	2000µA	Rev. 1.1	Rev. 2.3
IGB30N60T	1000µA	2000µA	Rev. 2.3	Rev. 2.4
IGB50N60T	1000µA	3500µA	Rev. 2.5	Rev. 2.6
IGD06N60T	unchanged		Rev. 2.1	Rev. 2.2
IGP/IGW30N60T	1000µA	2000µA	Rev. 2.6	Rev. 2.7
				Rev. 2.7
IGP/IGW50N60T	1000µA	3500µA	Rev. 2.6	Rev. 2.7
				Rev. 2.7
IGP06N60T	unchanged		Rev. 2.2	Rev. 2.3
IGP10N60T	unchanged		Rev. 2.3	Rev. 2.4
IGP15N60T	unchanged		Rev. 2.2	Rev. 2.3
IGP20N60H3	1000µA	1500µA	Rev. 1.2	Rev. 2.2
IGP30N60H3	1000µA	2000µA	Rev. 1.2	Rev. 2.2
IGU04N60T	unchanged		Rev. 1.1	Rev. 2.0
IGW20N60H3	1000µA	1500µA	Rev. 1.1	Rev. 2.2
IGW30N60H3	1000µA	2000µA	Rev. 1.1	Rev. 2.2
IGW40N60H3	1000µA	3000µA	Rev. 2.1	Rev. 2.3
IGW50N60H3	1000µA	3500µA	Rev. 1.2	Rev. 2.2
IGW75N60T	1000µA	5000µA	Rev. 2.5	Rev. 2.6
IHW30N60T	1000µA	3000µA	Rev. 2.2	Rev. 2.3
IHW40N60R	1000µA	3000µA	Rev. 2.4	Rev. 2.5
IHW40N60RF	1000µA	3000µA	Rev. 2.3	Rev. 2.5
IHW40T60	1000µA	3000µA	Rev. 2.0	Rev. 2.1
IKA06N60T	unchanged		Rev. 2.4	Rev. 2.5
IKA10N60T	unchanged		Rev. 2.4	Rev. 2.5
IKA15N60T	unchanged		Rev. 2.4	Rev. 2.5
IKB06N60T	unchanged		Rev. 2.4	Rev. 2.5
IKB10N60T	unchanged		Rev. 2.4	Rev. 2.5
IKB15N60T	unchanged		Rev. 2.6	Rev. 2.7
IKB20N60H3	1000µA	1500µA	Rev. 1.1	Rev. 2.3
IKB20N60T	1000µA	1500µA	Rev. 2.5	Rev. 2.6
IKD03N60RF	unchanged		Rev. 2.2	Rev. 2.5
IKD04N60R	unchanged		Rev. 2.2	Rev. 2.5
IKD04N60RF	unchanged		Rev. 2.2	Rev. 2.5
IKD06N60R	unchanged		Rev. 2.2	Rev. 2.5
IKD06N60RF	unchanged		Rev. 2.1	Rev. 2.4
IKD10N60R	unchanged		Rev. 2.2	Rev. 2.5
IKD10N60RF	unchanged		Rev. 2.1	Rev. 2.4

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IKD15N60R	unchanged		Rev. 2.2	Rev. 2.4
IKD15N60RF	unchanged		Rev. 2.1	Rev. 2.3
IKP/IKI04N60T	unchanged		Rev. 2.6	Rev. 2.7
				n.a.
IKP/IKW20N60T	1000µA	1500µA	Rev. 2.6	Rev. 2.7
				Rev. 2.7
IKP06N60T	unchanged		Rev. 2.4	Rev. 2.5
IKP10N60T	unchanged		Rev. 2.4	Rev. 2.5
IKP15N60T	unchanged		Rev. 2.3	Rev. 2.4
IKP20N60H3	1000µA	1500µA	Rev. 1.1	Rev. 2.2
IKW20N60H3	1000µA	1500µA	Rev. 1.2	Rev. 2.2
IKW30N60H3	1000µA	2000µA	Rev. 1.2	Rev. 2.2
IKW30N60T	1000µA	2000µA	Rev. 2.4	Rev. 2.5
IKW40N60H3	1000µA	3000µA	Rev. 2.2	Rev. 2.4
IKW50N60H3	1000µA	3500µA	Rev. 1.1	Rev. 2.2
IKW50N60T	1000µA	3500µA	Rev. 2.5	Rev. 2.6
IKW75N60T	1000µA	5000µA	Rev. 2.7	Rev. 2.8