

# Depletion mode MOSFETs ordering information

November 2016



# Depletion mode MOSFETs $V_{GS(th)}$ bands

## Example: BSP149

Every sorting band has a distribution of 0.2 V  $V_{GS(th)}$

Threshold voltage  $V_{GS(th)}$  sorted in bands<sup>3)</sup>

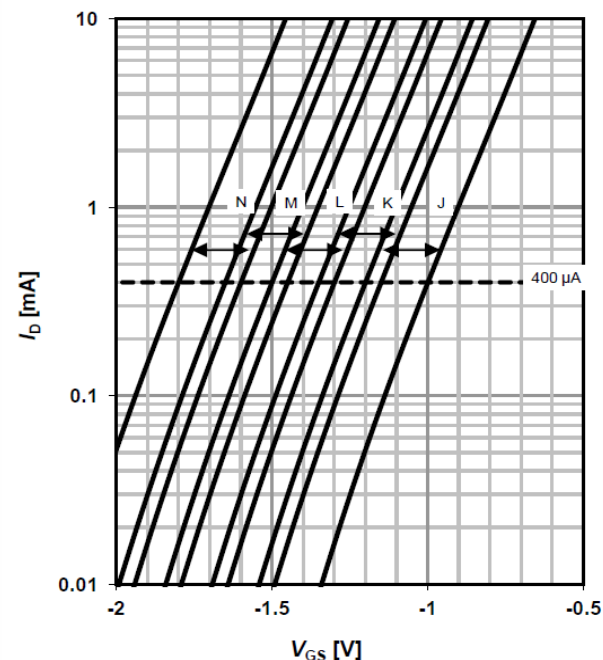
	$V_{GS(th)}$	$V_{DS}=3\text{ V}, I_D=400\ \mu\text{A}$			
J			-1.2	-	-1
K			-1.35	-	-1.15
L			-1.5	-	-1.3
M			-1.65	-	-1.45
N			-1.8	-	-1.6

Band ranges are 0 hour values  
The general  $V_{GS(th)}$  range is the device lifetime range

Sorted groups are available in 5 bands

### 11 Threshold voltage bands

$$I_D = f(V_{GS}); V_{DS} = 3\text{ V}; T_j = 25\text{ }^\circ\text{C}$$



# Depletion mode MOSFETs ordering information

Example: BSP149

Standard ordering code with no  $V_{GS(th)}$  selection

Type	Package	Tape and Reel Information	Marking	Packaging
BSP149	PG-SOT223	H6327 1000 pcs/reel	BSP149	Non dry
BSP149	PG-SOT223	H6906: 1000 pcs/reel sorted in $V_{GS(th)}$ bands	BSP149	Non dry

Ordering code for limited  $V_{GS(th)}$  spread

Please note: **a specific band cannot be ordered separately.** Each reel contains transistors out of one band whose identifying letter is printed on the reel label.

# Identifying the $V_{GS(th)}$ band on the reel label

Product type with  $V_{GS(th)}$  spread

**Infineon**  
SIPMOS™  
BSP149 H6906



(1T): VC329459219



WUX1088FYWZ6130917

(1P): SP001058604



(9D): 1338



(Q): 1000



(X): 97251854



RJEAL

Level/Temp: 1/260



Diffused in AUSTRIA, Assembled in CHINA



Identification of the  $V_{GS(th)}$  Band (here „L”)



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