

Power MOSFETs

Part Number Guide

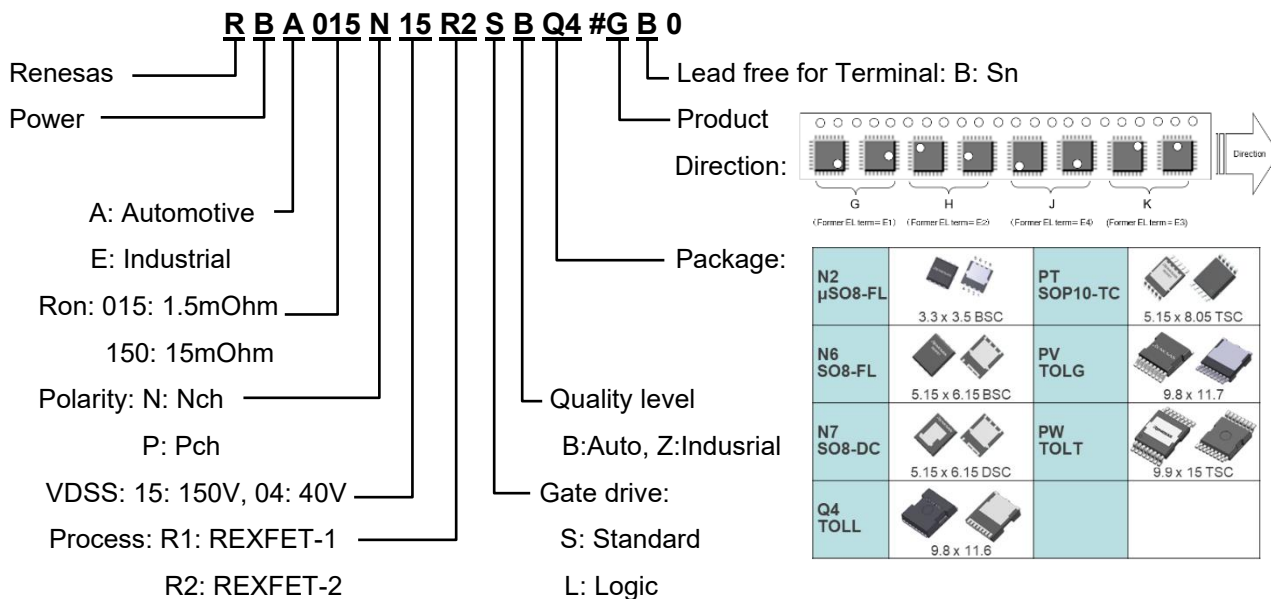
Introduction

This document explains the Part Number of Renesas Power MOSFETs.

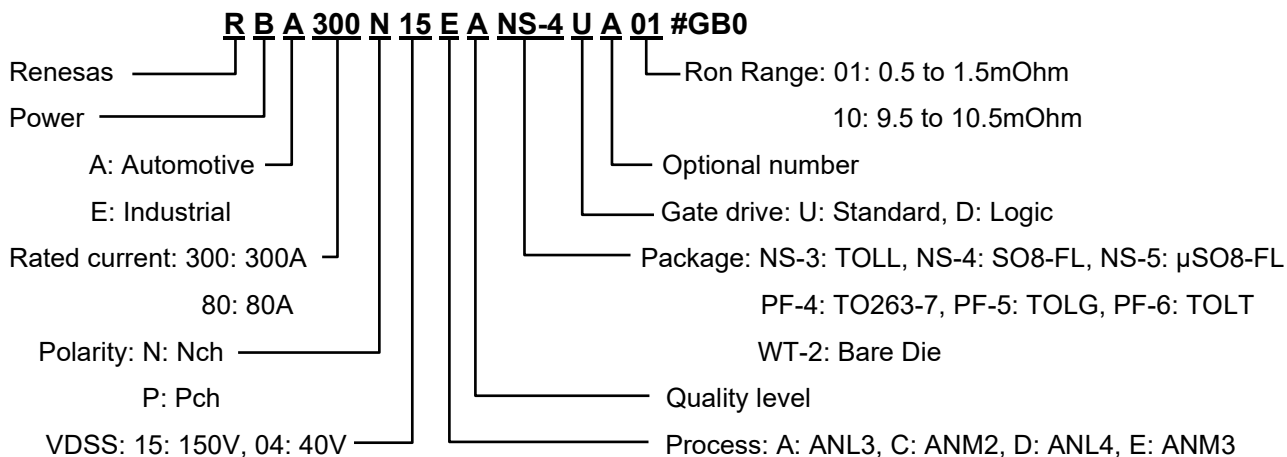
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1. REXFET



2. RB Types



3. NP Types

NP 110 N 04 P U K - E1 - AY

Prefix ——— **NP** ——— **110** ——— **N** ——— **04** ——— **P** ——— **U** ——— **K** ——— **E1** ——— **AY**

Rated current: 110: 110A
80: 80A

Polarity: N: Nch
P: Pch

VDSS: 10: 100V, 04: 40V

Lead free: ——— **E1** ———

Product direction: ——— **K** ———

Process: E: UMOS2, F: UMOS3, G: UMOS4
J: SJ1, K: ANL2, L: D8-11

Drive voltage / Protection diode:
U: Standard/ w/o, D: Logic/ w/o
H: Standard/ w/diode, L: Logic/ w/diode

Package:
K,P: TO263, T: TO263-7, S,V: TO252, M: TO220
N: TO262, H: TO251, Y: HSON-8, Q: HSON-8 Dual

D/A	Terminal	
	Sn	Sn-Bi
Lead free	AT	A
w/RoHS 7(a)	AY	AZ

4. RJ Types

R J K 02 22 D NS - 00 #Q 5

Renesas ——— **R** ——— **J** ——— **K** ——— **02** ——— **22** ——— **D** ——— **NS** ——— **00** ——— **#Q** ——— **5**

Power ——— **R** ———

Series: E: Pch w/function
F: Nch w/function
J: Pch MOS
K: Nch MOS

VDSS: 15: 150V, 04: 40V

Serial number ——— **02** ———

Quality level ——— **22** ———

Lead free: ——— **NS** ———

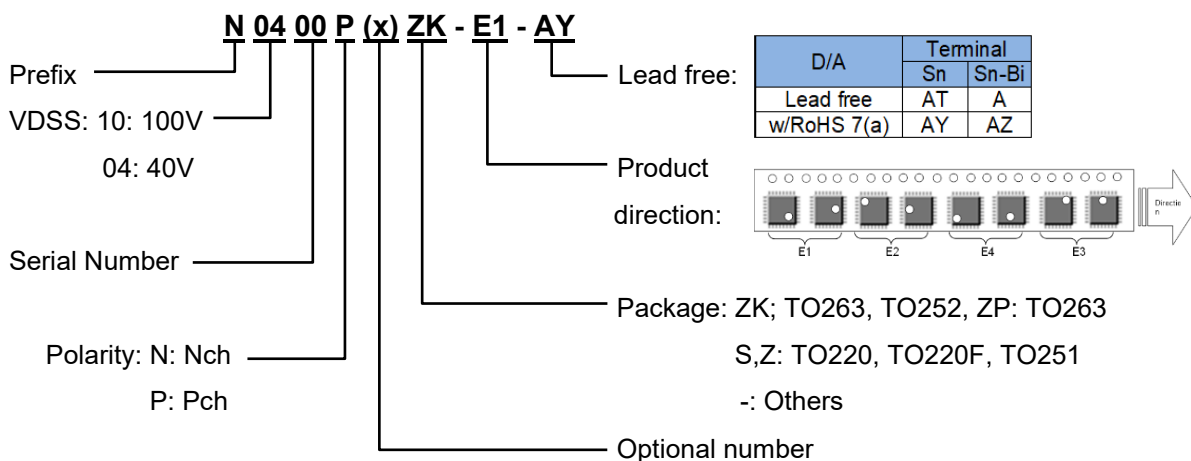
Packaging: 0: Bag, 1: Tray, H,J,Q: Taping, T: Tube
W: Wafer, X: Bare die

Optional number ——— **00** ———

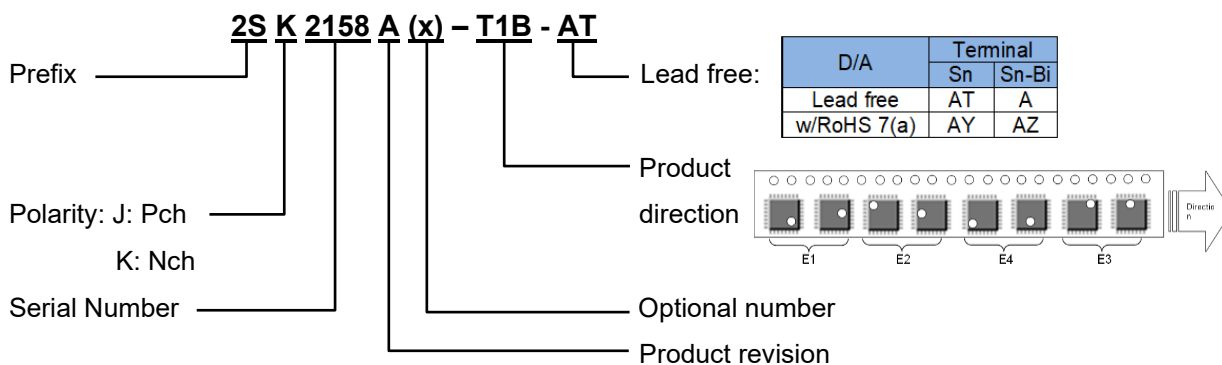
Package:
GE: TSOJ-8, JE: TO-92MOD, PA; WPAK
PB: LPAK, PD: TO252, PE: TO263, P3: SOT-223
PJ,PH: TO251, PK: TO3P, PM: TO3PF, PN: TO220

D/A, Mold	Terminal	
	Sn	Sn-Bi
Lead free	0	1
w/RoHS 7(a)	2	3
w/Halogen free	4	5

5. N Types



6. JEITA Types



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