

Power MOSFETs

Part Number Guide

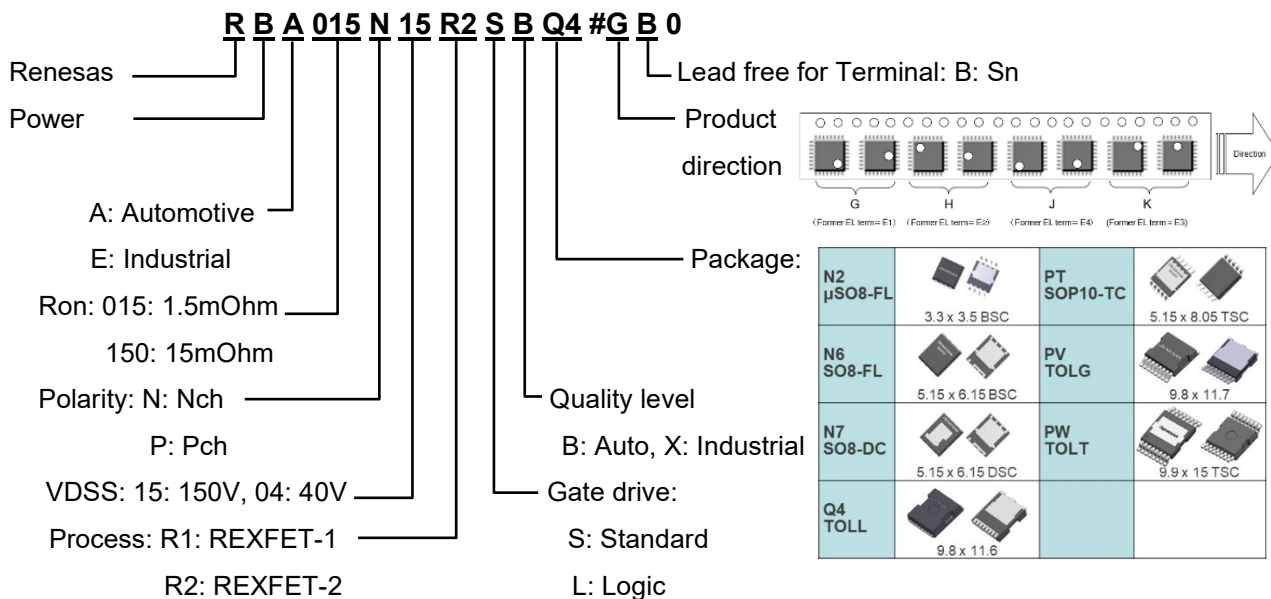
Introduction

This document explains Part Number of Renesas Power MOSFETs.

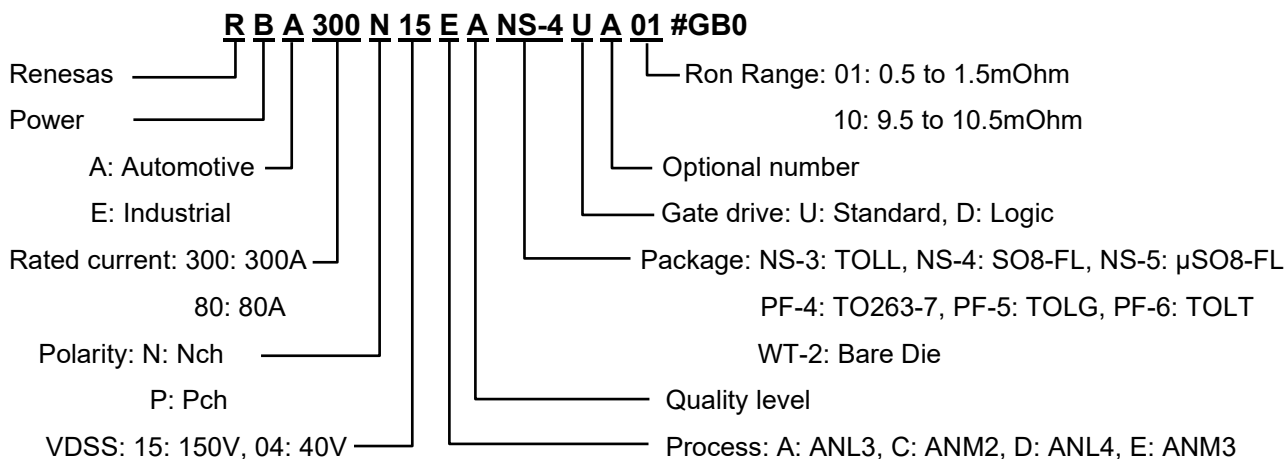
Contents

1. REXFET	2
2. RB Types.....	2
3. NP Types.....	3
4. RJ Types	3
5. N Types	4
6. JEITA Types.....	4
Revision History	5

1. REXFET



2. RB Types



3. NP Types

NP 110 N 04 P U K - E1 - AY

PREFIX

Rated current:
110: 110A
80: 80A

Polarity: N: Nch
P: Pch

VDSS: 10: 100V, 04: 40V

Lead free:

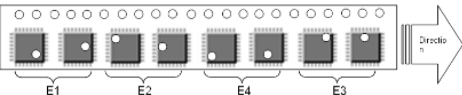
Product direction

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

Power

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

VDSS: 15: 150V, 04: 40V

Serial number

Quality level
TO220

Lead free:

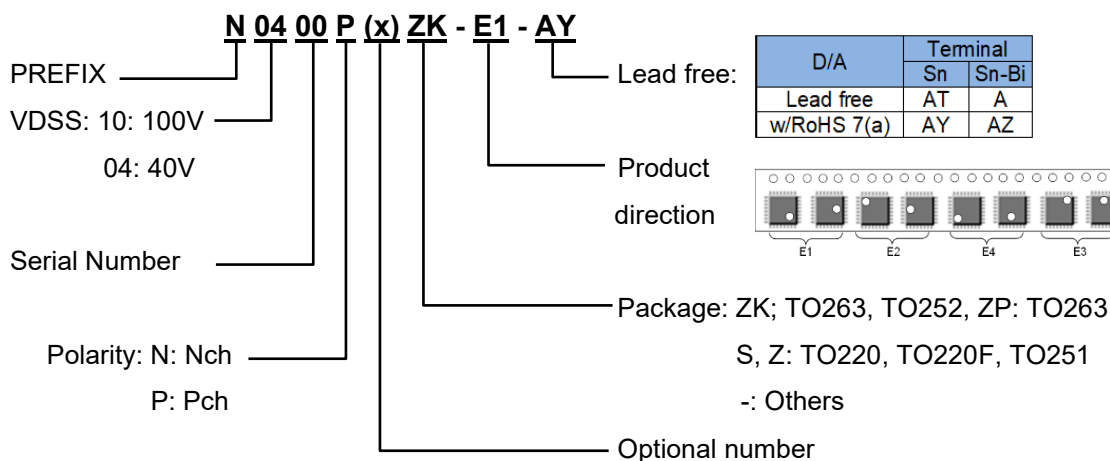
Packaging: 0: Bag, 1: Tray, H, J, Q: Taping, T: Tube
W: Wafer, X: Bare die

Optional number

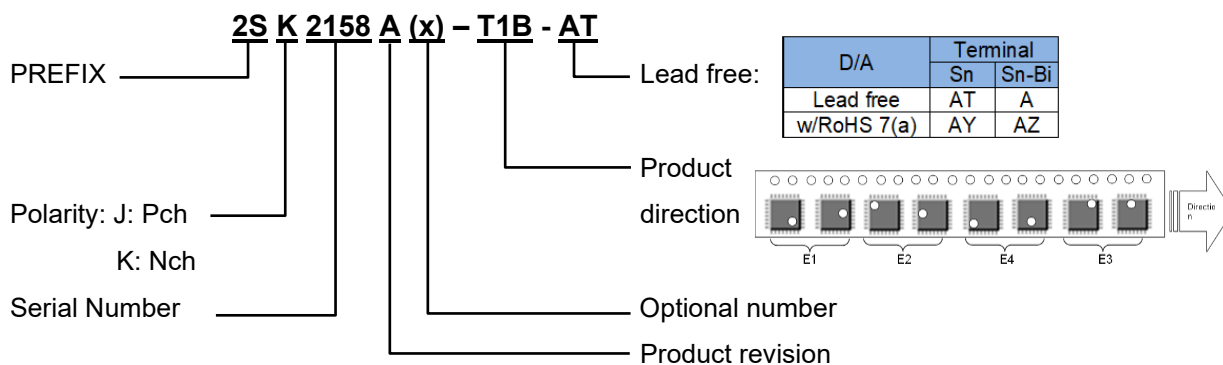
Package: GE: TSOJ-8, JE: TO-92MOD, PA; WPAK
PB: LFAK, PD: TO252, PE: TO263, P3: SOT-223
PJ, PH: TO251, PK: TO3P, PM: TO3PF, PN:

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



Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul.22.2025		First edition

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