

Power MOSFETs

Packaging Specifications

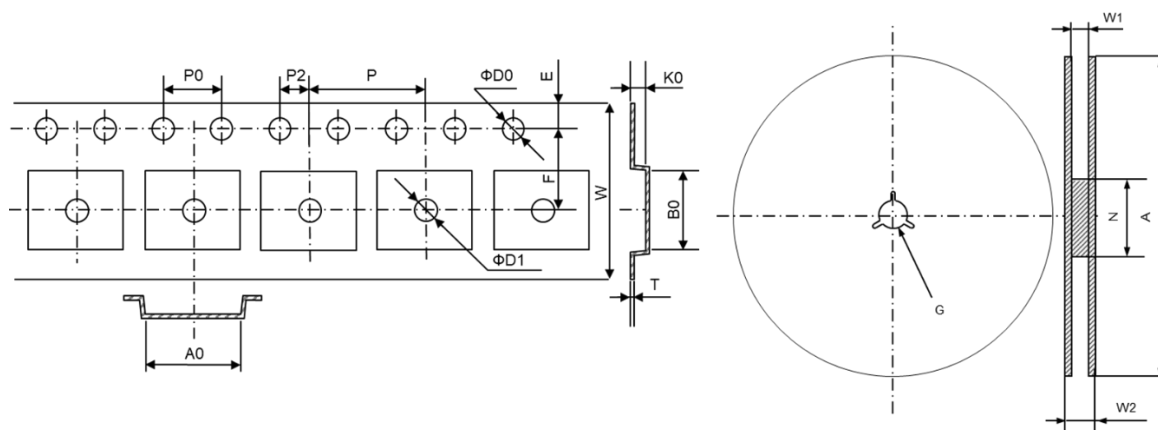
Introduction

This document explains Packaging Specifications of Renesas Power MOSFETs.

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1. Tape & Reel



Dimensions Unit:

Standard Package		SON-8 3x3	SON-8 3x3	SON-8 5x6	SON-8 5x6	SON-8 5x6	LFPK56	SOP-8	TO252	TO252	TO252	TO263	TO263	TO263-7	TOLL	TOLG	TOLT
Renesas Package		μSO8-FL	HWSON-8	SO8-FL	HSO8	WPAK	LFPK	SOP-8	DPK	MP-3A	MP-3ZK,ZP	LDPK	MP-25ZK,ZP	MP-25ZT,ZU	TOLL	TOLG	TOLT
Tape	W	12	12	12	12	12	12	12	16	16	16	24	24	24	24	24	24
	P	8	8	8	8	8	8	8	8	8	8	12	16	16	12	12	12
	P0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	P2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A0	3.7	3.3	6.35	6.6	6.1	6.2	6.6	6.8	6.9	7.1	10.5	10.6	10.6	10.3	10.1	10.4
	B0	3.6	3.3	5.35	5.4	5.2	5.3	5.4	10.6	10.5	10.7	16.5	16.5	16.5	12.1	11.95	15.5
	K0	1.4	0.9	1.2	1.3	3	3	3	2.9	2.65	2.7	4.85	5	5	2.7	2.6	2.65
	F	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	11.5	11.5	11.5	11.5	11.5	11.5
	E	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
	D0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.55	1.5	1.5	1.5	1.5	1.5
	D1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.5	1.5	1.55	1.5	1.5	1.5	1.5	1.5
	T	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Reel	A	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330
	N	100	100	100	100	100	100	100	80	100	100	100	100	100	100	100	100
	W1	13.4	13.4	13.4	17.4	13.4	13.4	13.4	17.5	17.4	17.4	25.4	25.4	25.4	25.4	25.4	25.4
	W2	17.4	17.4	17.4	19.5	17.4	17.4	17.4	21.4	21.4	21.4	29.4	29.4	29.4	29.4	29.4	29.4
	pcs/Reel	3000	5000	5000	3000	2500	2500	2500	1000	3000	2500	1000	800	800	2000	1500	1300
MSL	J-STD-020	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Note: Packaging Specifications & Product Direction may vary depending on the product.
Please refer to the delivery specifications.

2. Inner Box

Dimensions Unit: mm

Standard Package		SON-8 3x3	SON-8 3x3	SON-8 5x6	SON-8 5x6	SON-8 5x6	LFPK56	SOP-8	TO252	TO252	TO252	TO263	TO263	TO263-7	TOLL	TOLG	TOLT
Renesas Package		μSO8-FL	HWSON-8	SO8-FL	HSO8	WPAK	LFPK	SOP-8	DPK	MP-3A	MP-3ZK,ZP	LDPAK	MP-25ZK,ZP	MP-25ZT,ZU	TOLL	TOLG	TOLT
Inner Box	L	350	360	360	350	360	360	360	354	347	360	354	368	368	357	360	357
	D	340	345	345	340	345	345	345	340	342	340	340	347	347	340	340	340
	H	32	50	50	32	50	50	50	32	55	50	42	54	54	41	50	41
Number of Reel		1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1

Note: Packaging Specification may vary depending on the product.

Please refer to the delivery specifications.

3. Inner Box Label

Assy Lot No. 2328 3500	Assy Lot No. 2329 2500	Assy Lot No. 2330 1000	Pb-Free T.	RENESAS
D/N RBA100N04DANS-4UA02 HB0GC01K				
SPN RBA100N04DANS-4UA02#HB0 HB0GC01K				
PID 23287C2001-001			2022/12/14	
QTY 10000			MC: JPMYMY ASSEMBLED IN MALAYSIA FROM WAFERS OF JAPAN	
PCD P000590743				
T/C 2328 L55024C00Z2				
S.LOT KM40000C00				

Item	Contents
D/N	Device Number
SPN	Order Part Number + control code
PID	Renesas control code
QTY	Quantity
PCD	Renesas control code
T/C	Trace Code
S LOT	Renesas control code
MC	Manufacture Country
ASSEMBLED	Back End Production Country
FROM WAFERS	Front End Production Country
Pb-Free. T	Lead Free for Terminal

Revision History

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

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