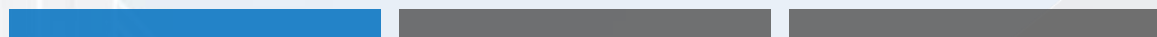


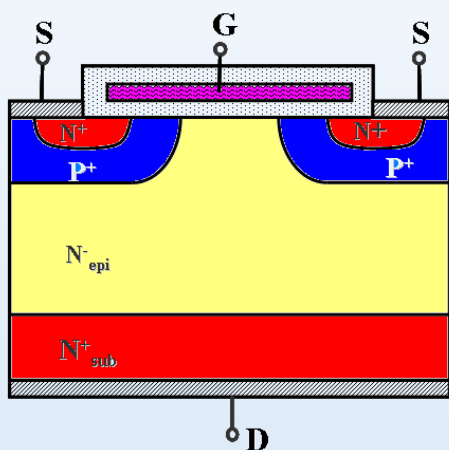


WAYON-VDMOS产品介绍



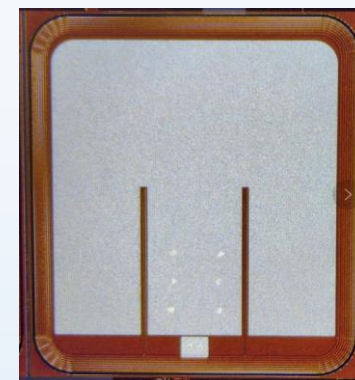
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产品特点

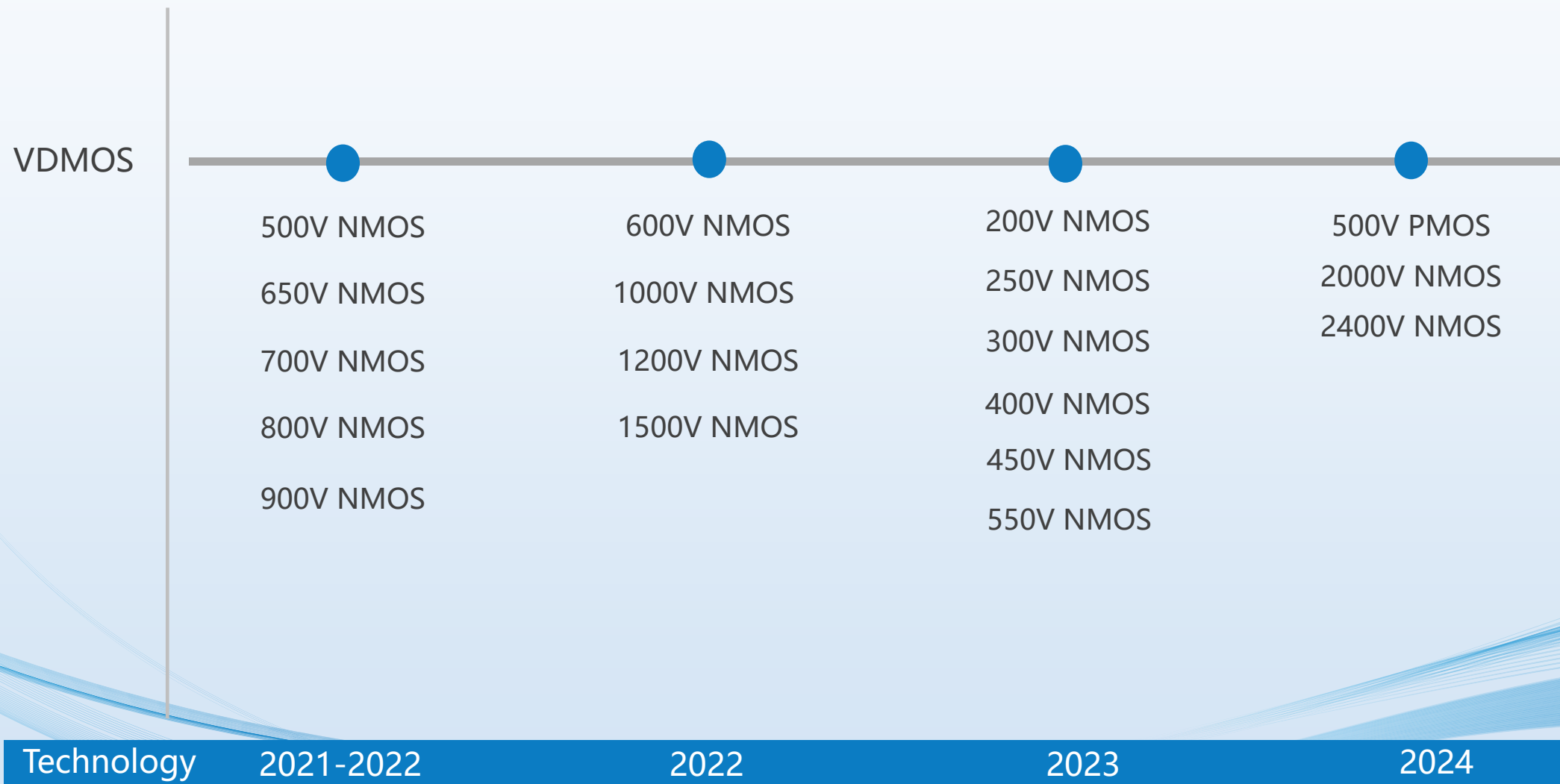
- 电压覆盖范围广，产品规格齐全
- 高雪崩耐量和宽安全工作区
- 高品质钝化层，提高可靠性



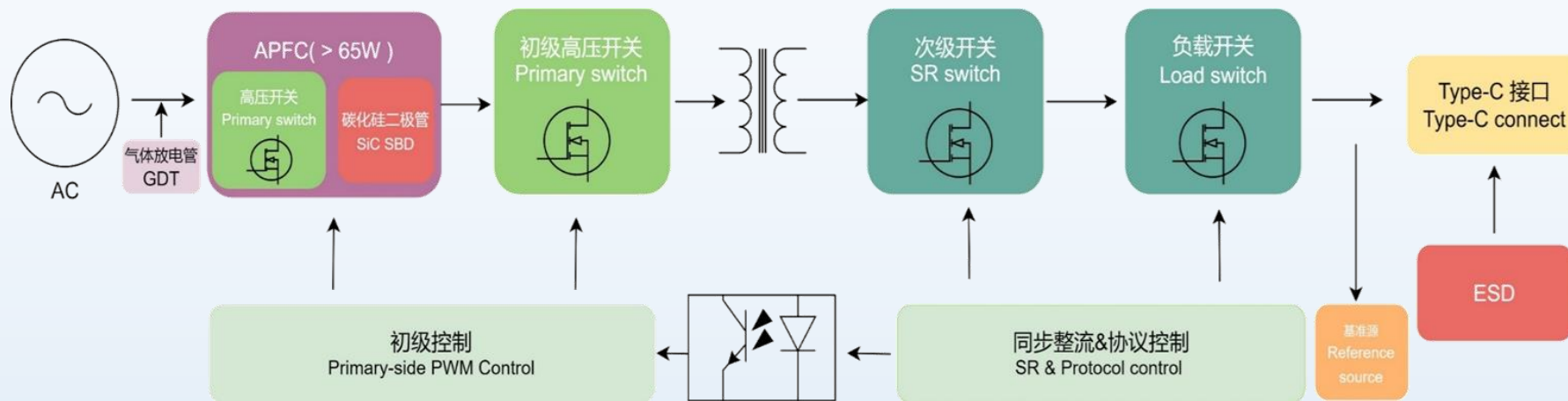
应用

- 电源适配器
- LED驱动
- PC电源/TV电源
- 工业辅源
- 电机驱动

VDMOS产品Roadmap



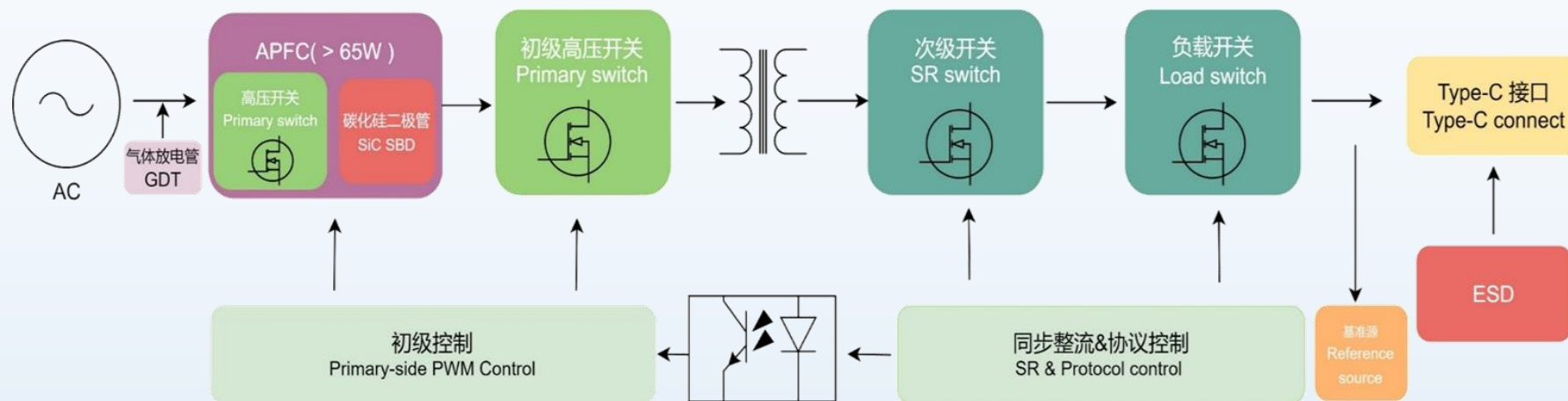
手机充电器



Part NO.	Vdss	ID	Rds(on) type	Main Package	对应功率
WMx4N65D1B	650V	4A	2.2Ω	TO-252	18W~33W
WMx7N65D1B	650V	7A	1.12Ω	TO-252	25W~65W
WMx9N65D1	650V	9A	0.85Ω	TO-252	33W~80W
WMx6N70D1	700V	6A	1.3Ω	TO-252	18W~45W
WMx4N80D1B	800V	4A	3.5Ω	TO-251	18W
WMx6N80D1	800V	6A	2.5Ω	TO-252	18W~33W
WMD9N90US	900V	8.5A	0.87Ω	TO-252	45W
WML11N90US	900V	11A	0.35Ω	TO-220F	67W
WML13N90UL	900V	13A	0.37Ω	TO-220FJH	67W

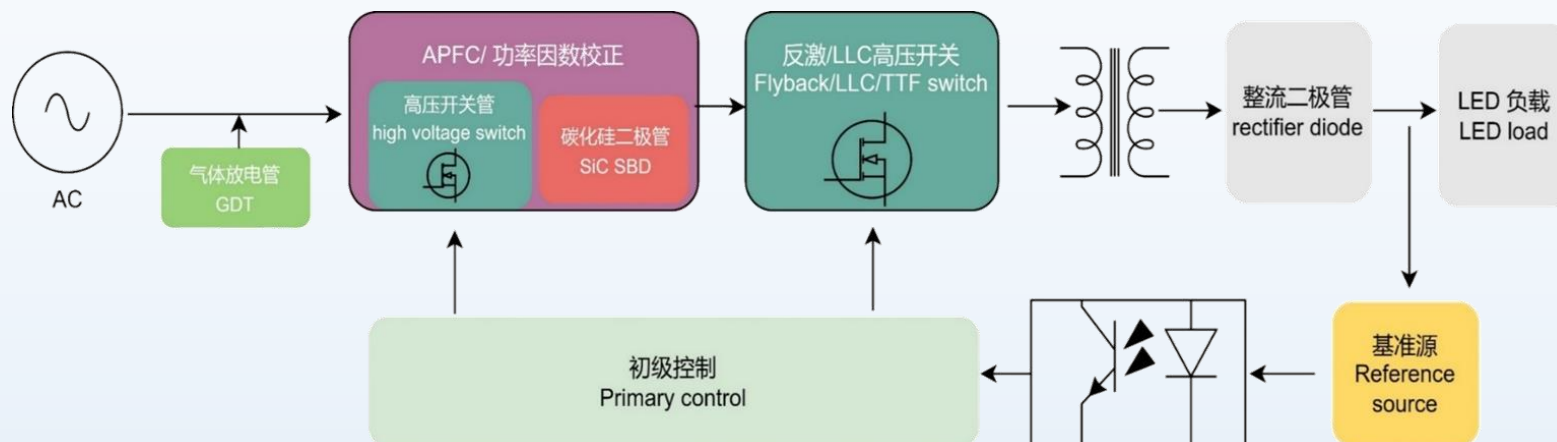
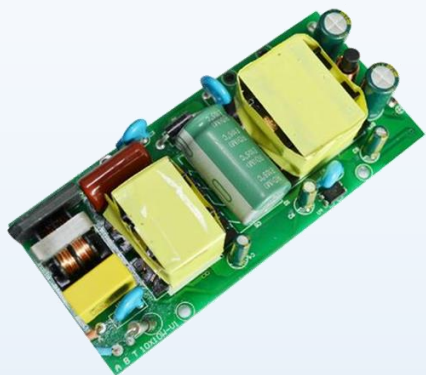
□ 市场体量大，平面MOS用在小功率低成本场合，出口市场会用到800V~900V耐压。

电源适配器/充电器



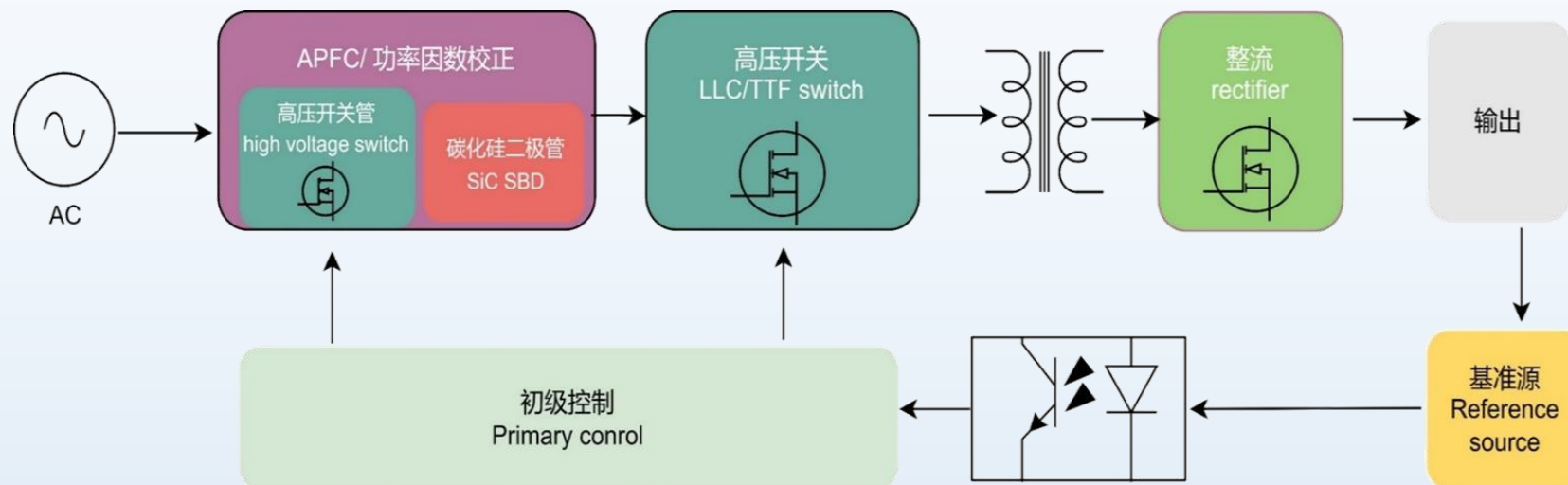
Part NO.	Vdss	ID	Rds(on) type	Package
WMx4N65D1B	650V	4A	2.2Ω	TO-220、TO-220F、TO-252
WMx7N65D1B	650V	7A	1.13Ω	TO-220、TO-220F、TO-252
WMx10N65D1B	650V	10A	0.75Ω	TO-220、TO-220F
WMx12N65D1B	650V	12A	0.58Ω	TO-220、TO-220F
WMx16N65D1B	650V	16A	0.48Ω	TO-220、TO-220F
WMx10N70D1	700V	10A	0.88Ω	TO-220、TO-220F
WMx12N70D1	700V	12A	0.64Ω	TO-220、TO-220F
WMx16N70D1	700V	16A	0.5Ω	TO-220、TO-220F

□ 使用功率更高，对体积要求没那么苛刻，插件封装为主，对产品耐受冲击和浪涌能力要求高。



Part NO.	Vdss	ID	Rds(on) type	Package
WMx7N65D1B	650V	7A	1.12Ω	TO-220F、TO-252
WMx10N65D1B	650V	10A	0.75Ω	TO-220F
WMx20N65D1B	650V	20A	0.35Ω	TO-220F
WMx10N70D1	700V	10A	0.88Ω	TO-220F
WMx12N70D1	700V	10A	0.64Ω	TO-220F
WMx16N70D1	700V	10A	0.5Ω	TO-220F
WMx10N80D1B	800V	10A	0.75Ω	TO-220F
WMx9N90D1B	900V	9A	1Ω	TO-220F

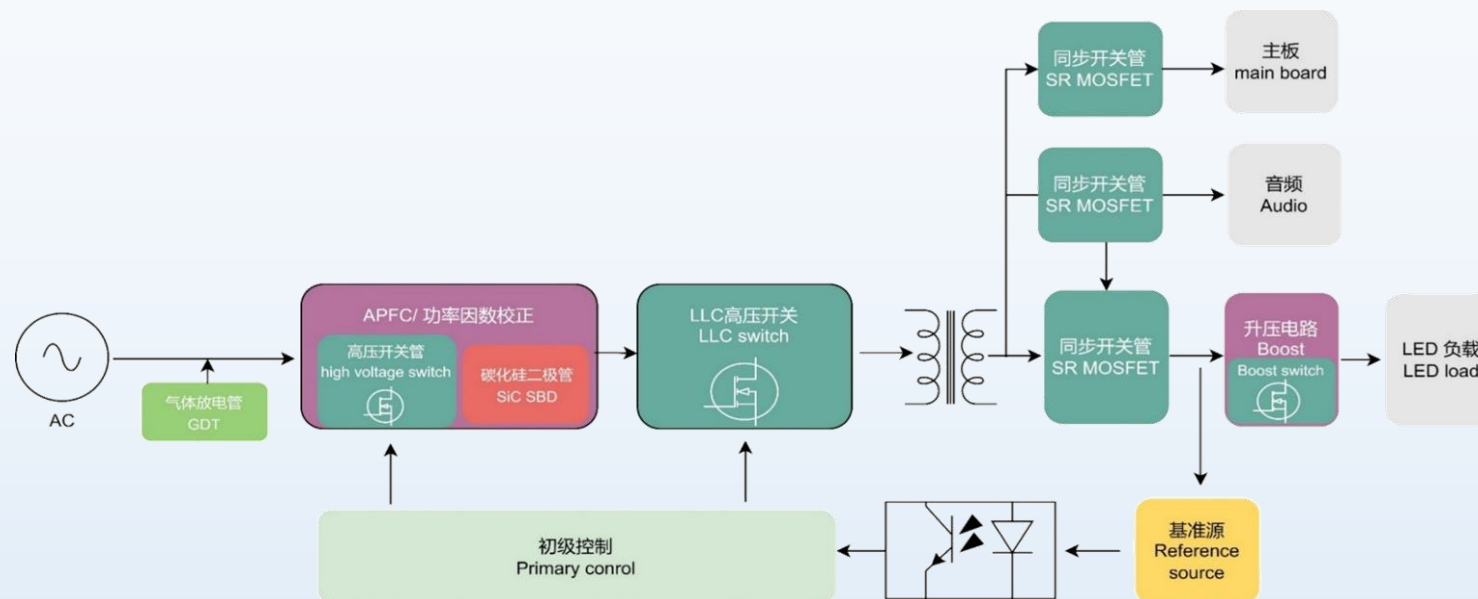
❑ 市场竞争激烈，体量大，应用场景多元化，客户比较分化。



Part NO.	Vdss	ID	Rds(on) type	Package
WMx18N50D1B	500V	18A	0.28Ω	TO-220F, TO-247
WMx20N50D1	500V	20A	0.22Ω	TO-220、TO-220F, TO-247
WMx25N50D1B	500V	25A	0.21Ω	TO-220F, TO-247
WMx40N50D	500V	40A	0.9Ω	TO-247、TO-3PN

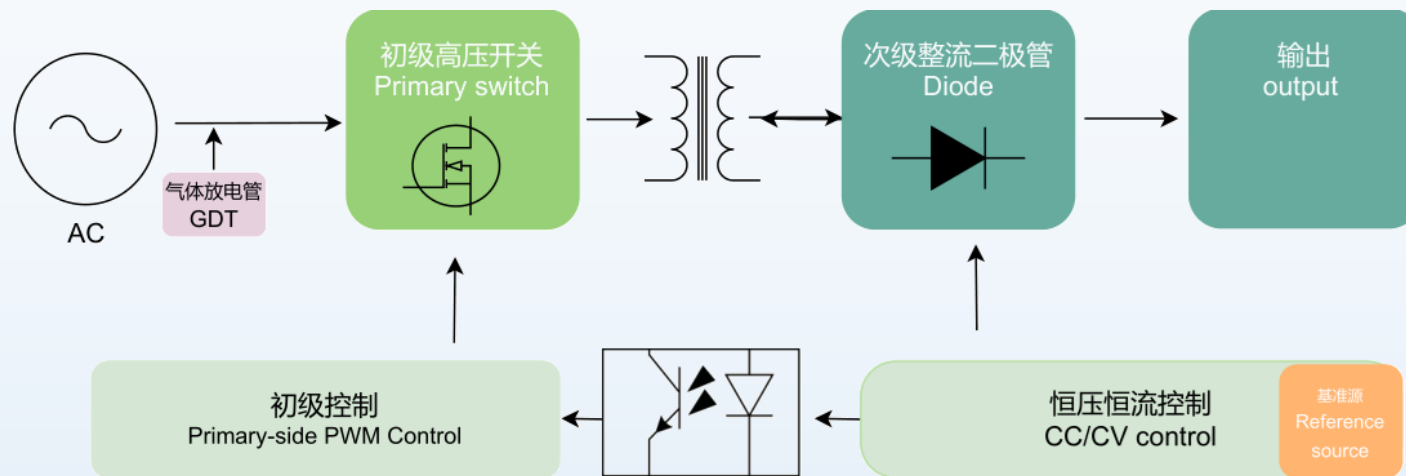
□ 使用功率大，可靠性要求高，对于产品的耐受冲击，浪涌的能力要求高。

TV电源



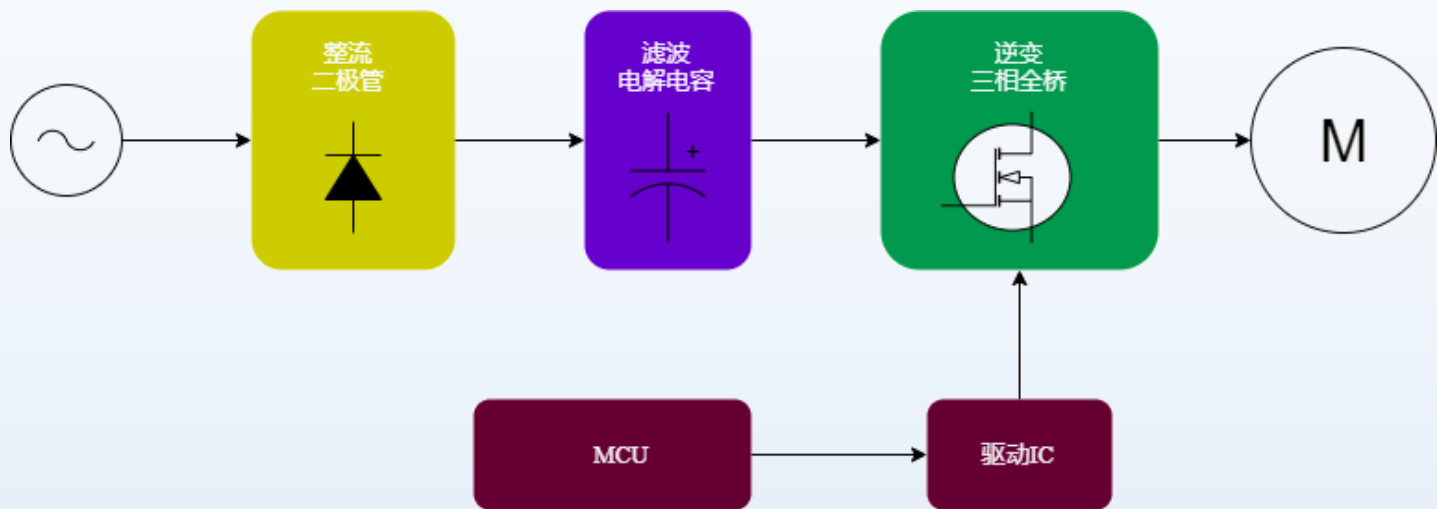
Part NO.	Vdss	ID	Rds(on) type	Package
WMx13N50D1	500V	13A	0.4Ω	TO-220F
WMx20N50D1	500V	20A	0.22Ω	TO-220F
WMx7N65D1B	650V	7A	1.12Ω	TO-220F、TO-252
WMx10N65D1B	650V	10A	0.75Ω	TO-220F
WMx12N65D1B	650V	12A	0.58Ω	TO-220F
WMx20N65D1B	650V	20A	0.35Ω	TO-220F

❑ 使用功率大，可靠性要求高，对于产品的耐受冲击，浪涌的能力要求高，客户集中。



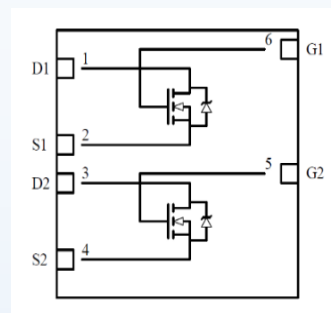
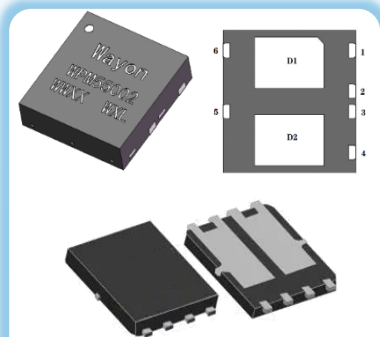
Part NO.	Vdss	ID	Rds(on) type	Package
WMx4N90D1B	900V	4A	3Ω	TO-220、TO-220F、TO-263
WMx9N90D1B	900V	9A	1.2Ω	TO-220、TO-220F、TO-247
WMx2N100D1	1000V	2A	6.3Ω	TO-252、TO-251
WMx12N120D1	1200V	12A	1.2Ω	TO-247
WMx3N150D1	1500V	3A	5.7Ω	TO-220、TO-3PF、TO-220F、TO-247
WMx4N150DB	1500V	4A	5.4Ω	TO-3PF, TO-247
WMx9N150D1	1500V	9A	2.8Ω	TO-247
WMx11N150D1	1500V	11A	2.4Ω	TO-247

❑ 功率小，电压高，对可靠性要求高，使用环境为工业环境，应用范围分布广。



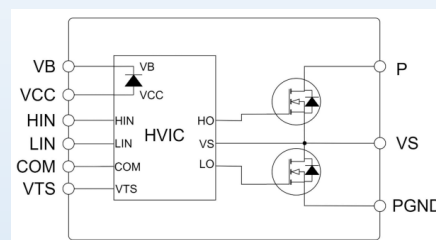
Part NO.	Vdss	ID	Rds(on) type	Package
WMD5N50RCH	500V	5A	3Ω	TO-252
WMD5N50RC	500V	5A	1.6Ω	TO-252
WMD7N50RC	500V	7A	1.1Ω	TO-252
WMD2N60RC	600V	2A	4.2Ω	TO-252
WMD3N60RC	600V	3A	2.8Ω	TO-252
WMD5N60RC	600V	5A	1.6Ω	TO-252
WMD7N60RC	600V	7A	1.1Ω	TO-252

❑ 小功率BLDC电机控制应用，三相全桥逆变，快恢特性MOS适配性高。



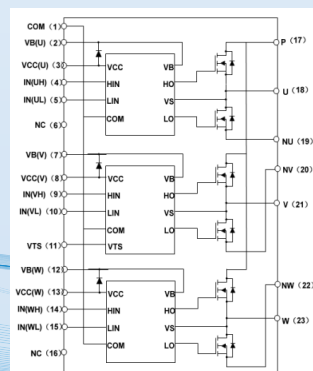
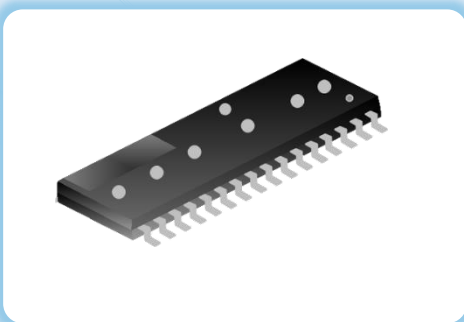
双N合封产品特点

- DFN7*7 & PDFN5*6
- 3~7A, 500V~600V
- 快恢复性能



半桥IPM合封产品特点

- DFN7*7 & PDFN7*7
- 3~7A, 500V
- 快恢复性能
- 内置自举二极管和温度



全桥IPM合封产品特点

- SOP23, 最大规格7A/500V
- 快恢复性能
- 内置自举二极管和温度

行业应用

- 高速风筒
- 洗碗机/干衣机
- 空调冷凝器风扇
- 高压水龙头
- 除螨机



感谢观看

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