

CR 原厂 QQ:969178351.189-8084-8815 (微信) 陈金源

绿色节能AC/DC电源芯片选型指南

| 拓扑结构                | 产品型号     | 230Vac待机功耗 | 适用功率   | 封装       | 能效等级   | 产品优势                                      |
|---------------------|----------|------------|--------|----------|--------|---|
| 原边QR模式PWM功率开关       | CR3346   | <75mW      | ≤12W   | SOP-7L   | DOE VI | 内置650V低阻抗高压功率MOS管, QR工作模式, 高CC/CV精度, 较高效率 |
|                     | CR3349   | <75mW      | ≤18W   | DIP-7L   | DOE VI |   |
| 原边超低待机PWM功率开关       | CR5358   | <30mW      | ≤12W   | DIP-8L   | DOE VI | 超低待机, 高CC/CV精度, 高效率                       |
| 原边低待机PWM功率控制器       | CR6234   | <75mW      | ≤18W   | SOT23-6L | DOE VI |   |
| 高压启动的原边超低待机PWM功率开关  | CR5565SD | <30mW      | ≤6W    | SOP-7L   | DOE VI | 快速启动、超低待机                                 |
|                     | CR5565SF | <30mW      | ≤10W   | SOP-7L   |        |   |
|                     | CR5565SG | <30mW      | ≤12W   | SOP-7L   |        |   |
|                     | CR5565TG | <30mW      | ≤12W   | DIP-7L   |        |   |
|                     | CR5565TJ | <30mW      | ≤18W   | DIP-7L   |        |   |
|                     | CR5565TM | <30mW      | ≤24W   | DIP-7L   |        |   |
| 断路器功率开关             | CR5567   | 零待机模式      | 峰值20W  | SOP-7L   | DOE VI |   |
| 原边低待机PWM功率开关        | CR6245   | <75mW      | ≤6W    | SOP-7L   | DOE VI | 超低待机, 高CC/CV精度, 高效率、更好的整机高压耐受度            |
|                     | CR6247   | <75mW      | ≤10W   | SOP-7L   |        |   |
|                     | CR6248   | <75mW      | ≤12W   | DIP-8L   |        |   |
|                     | CR6249   | <75mW      | ≤18W   | DIP-8L   |        |   |
| 原边低待机PWM功率开关        | CR6345   | <75mW      | ≤6W    | SOP-7L   | DOE VI | 超低待机, 高CC/CV精度, 高效率、输出过压保护功能、良好的整机高压耐受度   |
|                     | CR6347   | <75mW      | ≤10W   | SOP-7L   |        |   |
|                     | CR6348   | <75mW      | ≤12W   | DIP-8L   |        |   |
|                     | CR6349   | <75mW      | ≤18W   | DIP-8L   |        |   |
| 原边低待机PWM功率开关        | CR6332P  | <75mW      | ≤12W   | SOP-7L   | DOE VI |   |
| 原边高功率密度低待机PWM功率开关   | CR6257   | <75mW      | ≤12W   | SOP-8L   | DOE VI | SOP封装, 满足12W、15W、18W、20W应用、更好的整机高压耐受度     |
|                     | CR6258   | <75mW      | ≤15W   | SOP-8L   |        |   |
|                     | CR6259   | <75mW      | ≤18W   | SOP-8L   |        |   |
|                     | CR6267SG | <75mW      | ≤12W   | SOP-8L   |        |   |
|                     | CR6267SH | <75mW      | ≤15W   | SOP-8L   |        |   |
|                     | CR6267SJ | <75mW      | ≤18W   | SOP-8L   |        |   |
| CR6267SK            | <75mW    | ≤20W       | SOP-8L |          |        |   |
| 原边三极管低待机PWM功率控制器/开关 | CR5211   | <75mW      | ≤6W    | SOT23-6L | DOE VI |   |
|                     | CR5212   | <75mW      | ≤5W    | SOP-7L   | DOE VI |   |

| 拓扑结构                | 产品型号      | 230V <sub>ac</sub> 待机功耗 | 适用功率  | 封装       | 能效等级   | 产品优势                              |
|---------------------|-----------|-------------------------|-------|----------|--------|-----------------------------------|
| 原边三极管低待机QR模式PWM功率开关 | CR5213B   | <75mW                   | ≤5W   | SOP-7L   | DOE VI | 超低待机，高CC/CV精度，高效                  |
|                     | CR5213    | <75mW                   | ≤6W   | SOP-7L   |        |                                   |
|                     | CR5213C   | <75mW                   | ≤7.5W | SOP-7L   |        |                                   |
|                     | CR5213D   | <75mW                   | ≤10W  | SOP-7L   |        |                                   |
|                     | CR5213E   | <75mW                   | ≤12W  | SOP-7L   |        |                                   |
|                     | CR5213T   | <75mW                   | ≤12W  | DIP-7L   |        |                                   |
| 副边低待机PWM功率开关        | CR5241    | <75mW                   | ≤11W  | DIP-8L   | DOE VI | 内置650V低阻抗高压低功率MOS管，65kHz工作频率，高可靠性 |
|                     | CR5243    | <75mW                   | ≤7W   | SOP-8L   |        |                                   |
|                     | CR5244    | <75mW                   | ≤15W  | DIP-8L   |        |                                   |
|                     | CR5249    | <75mW                   | ≤18W  | DIP-8L   |        |                                   |
| 副边高功率密度低待机PWM功率开关   | CR5254    | <75mW                   | ≤12W  | SOP-8L   | DOE VI | SOP/DIP封装，满足24W以内应用               |
|                     | CR5255    | <75mW                   | ≤15W  | SOP-8L   |        |                                   |
|                     | CR5256    | <75mW                   | ≤18W  | SOP-8L   |        |                                   |
|                     | CR5259    | <75mW                   | ≤24W  | DIP-8L   |        |                                   |
|                     | CR5269SSG | <75mW                   | ≤12W  | SOP-8L   |        | SOP封装，满足20W以内应用                   |
|                     | CR5269SSH | <75mW                   | ≤15W  | SOP-8L   |        |                                   |
|                     | CR5269SSJ | <75mW                   | ≤18W  | SOP-8L   |        |                                   |
|                     | CR5269SSK | <75mW                   | ≤20W  | SOP-8L   |        |                                   |
| 副边高压启动超低待机PWM功率开关   | CR5521    | <30mW                   | ≤7W   | SOP-8L   | DOE VI | 内置700V高压启动，高压漏电流小；高压漏电流小，待机功耗小    |
|                     | CR5528    | <30mW                   | ≤15W  | DIP-8L   |        |                                   |
|                     | CR5529    | <30mW                   | ≤18W  | DIP-7L   |        |                                   |
|                     | CR5534    | <30mW                   | ≤15W  | DIP-8L   |        |                                   |
| 副边高效低待机PWM控制器       | CR6885    | <75mW                   | ≤65W  | SOT23-6L | DOE VI | 输出过压保护                            |
|                     | CR6888    | <75mW                   | ≤65W  | SOT23-6L | DOE VI | AC欠压、过压保护；输出过压保护；DCM、QR、CCM工作模式   |
|                     | CR6889A   | <75mW                   | ≤65W  | SOT23-6L | DOE VI | AC欠压保护；输出过压保护；PFM、QR、CCM工作模式      |
|                     | CR6889B   | <75mW                   | ≤65W  | SOT23-6L | DOE VI | 输出过压保护；PFM、CCM工作模式                |
|                     | CR6855(L) | <100mW                  | ≤65W  | SOT23-6L | DOE VI |                                   |
|                     | CR5842    | <75mW                   | ≤65W  | SOP-8L   | DOE VI | 700V高压启动                          |
|                     | CR5842B   | <50mW                   | ≤65W  | SOP-8L   | DOE VI | 700V高压启动                          |
| DCM、QR同步整流控制器       | CR3000    |                         | ≤4.0A | SOT23-6L | DOE VI |                                   |
| DCM、QR同步整流开关        | CR3005    |                         | ≤3.4A | SOP-8L   | DOE VI | VD=45V；DCM/QR模式更简洁的外围电路           |
|                     | CR3006    |                         | ≤3.1A | SOP-8L   |        |                                   |
|                     | CR3007    |                         | ≤2.1A | SOP-8L   |        |                                   |
| CCM同步整流控制器          | CR3011    |                         | ≤10A  | SOT23-5L | DOE VI | CCM/DCM/QR模式                      |
|                     | CR3012    |                         | ≤10A  | SOP-8L   | DOE VI | CCM/DCM/QR模式                      |
|                     | CR3013    |                         | ≤10A  | SOP-8L   | DOE VI | CCM/DCM/QR模式；自供电                  |

| 拓扑结构              | 产品型号    | 230V <sub>ac</sub> 待机功耗 | 适用功率   | 封装       | 能效等级   | 产品优势                                  |
|-------------------|---------|-------------------------|--------|----------|--------|---------------------------------------|
| CCM同步整流功率开关       | CR3016L |                         | ≤2.0A  | SOP-8L   | DOE VI | VD=60V;<br>CCM/DCM/QR模式; 自供电          |
|                   | CR3016  |                         | ≤3.0A  | SOP-8L   |        |                                       |
|                   | CR3017L |                         | ≤2.0A  | SOP-8L   | DOE VI | VD=100V;<br>CCM/DCM/QR模式; 自供电         |
|                   | CR3017  |                         | ≤3.0A  | SOP-8L   |        |                                       |
|                   | CR3018L |                         | ≤2.0A  |          | DOE VI | VD=75V; CCM/DCM/QR模式; 自供电             |
| Buck恒压功率开关        | CR3222  |                         | ≤300mA | SOP-7L   | DOE VI | 通过SEL设置输出12V或18V                      |
|                   | CR3222  |                         | ≤400mA | DIP-7L   | DOE VI |                                       |
|                   | CR3215A |                         | ≤400mA | SOP-8L   | DOE VI | 固定12V/3.3~24V可调                       |
|                   | CR3215H |                         | ≤400mA | SOP-8L   | DOE VI | 固定18V/3.3~24V可调                       |
| 12V-90V高压DC/DC    | CR2036  |                         | ≤10W   | TO220-7L |        |                                       |
| 36V-90V DC/DC     | CR3176  |                         | ≤12W   | SOP-7L   |        |                                       |
| 正激PWM控制器          | CR1252  |                         | <500W  | SOP-8L   |        |                                       |
| 原边PWM功率开关         | CR6332  | <200mW                  | ≤10W   | SOP-8    | DOE V  | 内置600V低阻抗高压功率MOS管, 高CC/CV精度, 高效率      |
|                   | CR6335  | <200mW                  | ≤6W    | SOP-8    |        |                                       |
|                   | CR6336  | <200mW                  | ≤8W    | DIP-8    |        |                                       |
|                   | CR6338  | <250mW                  | ≤12W   | DIP-8    |        |                                       |
|                   | CR6339  | <250mW                  | ≤18W   | DIP-8    |        |                                       |
| 原边PWM控制器          | CR6233  | <250mW                  | ≤25W   | SOT23-6L | DOE V  |                                       |
| 副边PWM功率开关         | CR5221  | <250mW                  | ≤8W    | DIP-8    | DOE V  | 内置600V低阻抗高压功率MOS管, 50kHz工作频率, 高可靠性    |
|                   | CR5223  | <250mW                  | ≤7W    | SOP-8    |        |                                       |
|                   | CR5224  | <250mW                  | ≤13W   | DIP-8    |        |                                       |
|                   | CR5228  | <250mW                  | ≤15W   | DIP-8    |        |                                       |
|                   | CR5229  | <250mW                  | ≤18W   | DIP-8    |        |                                       |
| 副边100k Hz PWM功率开关 | CR5445  | <250mW                  | ≤13W   | DIP-8    | DOE V  | 内置600V低阻抗高压功率MOS管, 100kHz工作频率, 降低整机成本 |
| 副边PWM控制器          | CR6850D | <300mW                  | ≤48W   | SOT23-6  | DOE V  | 低成本                                   |
|                   | CR6853B | <250mW                  | ≤60W   | SOT23-6  | DOE V  | 高可靠性, 完善的保护功能                         |
|                   | CR6841  | <300mW                  | ≤90W   | SOP-8    | DOE V  |                                       |
|                   | CR6842  | <300mW                  | ≤120W  | SOP-8    | DOE V  | 兼容0B2269                              |
| 副边QR模式PWM控制器      | CR5822  | <300mW                  | ≤150W  | SOP-8    | DOE V  |                                       |
| 副边高压QR模式PWM控制器    | CR5904  | <150mW                  | ≤120W  | SOP-8    | DOE V  |                                       |

\*注: 适用功率为全电压范围内适配器应用环境

CR 原厂 QQ:969178351.189-8084-8815 (微信) 陈金源

[www.chiprail.com](http://www.chiprail.com)

更新时间: 2020年1月