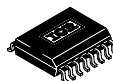


# Motor Drive IC Navigator



|                             |                                       |                |    |    |  |  |  |  |  |
|-----------------------------|---------------------------------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Function                    | Features                              | Voltage Offset | 8 Lead DIP                                                                          | 14 Lead DIP                                                                         | 14 Lead DIP w/o Lead 4                                                            | 16 Lead DIP w/o Leads 4 & 5                                                        | 8 Lead SOIC Narrow Body                                                             | 14 Lead SOIC Narrow Body                                                            | 16 Lead SOIC Wide Body                                                              |
| Linear Current Sensing      | basic                                 | 600V           | IR2171(M)                                                                           |                                                                                     |                                                                                   |                                                                                    | IR2171S(M)                                                                          |                                                                                     | IR21716S(M)                                                                         |
|                             | overcurrent trip signal               | 600V           | IR2172(M)                                                                           |                                                                                     |                                                                                   |                                                                                    | IR2172S(M)                                                                          |                                                                                     | IR21726S(M)                                                                         |
| Low Side                    | Current Limiting                      | 5              | IR2121(M)                                                                           |                                                                                     |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| High Side                   | Basic                                 | 600            | IR2117(M)<br>IR2118(M)                                                              |                                                                                     |                                                                                   |                                                                                    | IR2117S(M)<br>IR2118S(M)                                                            |                                                                                     |                                                                                     |
|                             | Overcurrent Shutdown                  | 600            | IR2122(M)<br>IR2127(M)<br>IR2128(M)                                                 |                                                                                     |                                                                                   |                                                                                    | IR2122S(M)<br>IR2127S(M)<br>IR2128S(M)                                              |                                                                                     |                                                                                     |
|                             | Current Limiting                      | 500            | IR2125(M)                                                                           |                                                                                     |                                                                                   |                                                                                    |                                                                                     |                                                                                     | IR2125S(M)                                                                          |
| Independant High & Low Side | Basic                                 | 600            | IR2101(A)<br>IR2102(A)<br>IR2106(A)<br>IR2181(A)                                    |                                                                                     |                                                                                   |                                                                                    | IR2101S(A)<br>IR2102S(A)<br>IR2106S(A)<br>IR2181S(A)                                |                                                                                     |                                                                                     |
|                             | Basic w/ Seperate Logic/Power Grounds | 600            |                                                                                     | IR21064(A)<br>IR21084(A)<br>IR21814(A)<br>IR21834(A)                                |                                                                                   |                                                                                    |                                                                                     | IR21064S(A)<br>IR21084S(A)<br>IR21814S(A)<br>IR21834S(A)                            |                                                                                     |
|                             | Shutdown & Seperate Logic Supply      | 500            |                                                                                     | IR2110(M)                                                                           | IR2110-1(M)                                                                       | IR2110-2(M)                                                                        |                                                                                     |                                                                                     | IR2110S(M)                                                                          |
|                             |                                       | 600            |                                                                                     | IR2112(M)<br>IR2113(M)                                                              | IR2112-1(M)<br>IR2113-1(M)                                                        | IR2112-2(M)<br>IR2113-2(M)                                                         |                                                                                     |                                                                                     | IR2112S(M)<br>IR2113S(M)                                                            |
|                             |                                       | 1200           |                                                                                     | IR2213(M)                                                                           |                                                                                   |                                                                                    |                                                                                     |                                                                                     | IR2213S(M)                                                                          |
| Half-Bridge                 | Basic                                 | 600            | IR2104(A)<br>IR2103(A)<br>IR2108(A)<br>IR2183(A)                                    |                                                                                     |                                                                                   |                                                                                    | IR2104S(A)<br>IR2103S(A)<br>IR2108S(A)<br>IR2183S(A)                                |                                                                                     |                                                                                     |
|                             | Shutdown & Adjustable Deadtime        | 600            |                                                                                     | IR21094(A)<br>IR21844(A)                                                            |                                                                                   |                                                                                    |                                                                                     | IR21094S(A)<br>IR21844S(A)                                                          |                                                                                     |
| Application Selection Codes |                                       |                | Motor Drive                                                                         | Appliance                                                                           |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                             |                                       |                |  |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                             |                                       |                | M                                                                                   | A                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |

# Motor Drive IC Navigator



|                                |                                         |                |         |         |  |  |  |  |  |
|--------------------------------|-----------------------------------------|----------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Function                       | Features                                | Voltage Offset | 28 Lead DIP                                                                              | 9 Lead SIP w/o leads 5 & 7                                                               | 9 Lead SIP w/o leads 5 & 7 Heatsink Pack                                          | 28 Lead SOIC Wide Body                                                              | 44 Lead PLCC                                                                        | 68 Lead PLCC                                                                        | 64 Lead MQFP                                                                        |
| Hybrid Half-Bridge with IGBT's | Basic                                   | 600            |                                                                                          |                                                                                          | IR06HD4C10U-P2 (A)                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                | Basic w/ adjustable deadtime            | 600            |                                                                                          |                                                                                          | IR08HD4C10U-P2 (A)                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3 High Side & 3 Low Side       | Basic                                   | 600            | IR2131(M)                                                                                |                                                                                          |                                                                                   | IR2131S(M)                                                                          | IR2131J(M)                                                                          |                                                                                     |                                                                                     |
| 3-Phase Bridge                 | 2.5ms Deadtime                          | 600            | IR2130(M)                                                                                |                                                                                          |                                                                                   | IR2131S(M)                                                                          | IR2131J(M)                                                                          |                                                                                     |                                                                                     |
|                                | 0.8ms Deadtime                          | 600            | IR2132(M)                                                                                |                                                                                          |                                                                                   | IR2132S(M)                                                                          | IR2132J(M)                                                                          |                                                                                     |                                                                                     |
|                                | 200ns Deadtime                          | 600            | IR2133(M)<br>IR2135(M)<br>IR2136(A)                                                      |                                                                                          |                                                                                   | IR2133S(M)<br>IR2135S(M)<br>IR2136S(A)                                              | IR2133J(M)<br>IR2135J(M)<br>IR2136J(A)                                              |                                                                                     |                                                                                     |
|                                |                                         | 1200           | IR2233(M)<br>IR2235(M)                                                                   |                                                                                          |                                                                                   | IR2233S(M)<br>IR2235S(M)                                                            | IR2233J(M)<br>IR2235J(M)                                                            |                                                                                     |                                                                                     |
| 3-Phase AC Motor Controller    | Brake Drive & High Side Desat Detection | 600            |                                                                                          |                                                                                          |                                                                                   |                                                                                     |                                                                                     | IR2137J(M)                                                                          | IR2137Q(M)                                                                          |
| 3-Phase SCR Bridge Drive       | DC Bus Soft Start And Regulation        | N/A            |                                                                                          |                                                                                          |                                                                                   |                                                                                     |                                                                                     |                                                                                     | IR1110(M)                                                                           |
| Application Selection          |                                         |                | Motor Drive                                                                              | Appliance                                                                                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                |                                         |                | <br>M | <br>A |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |