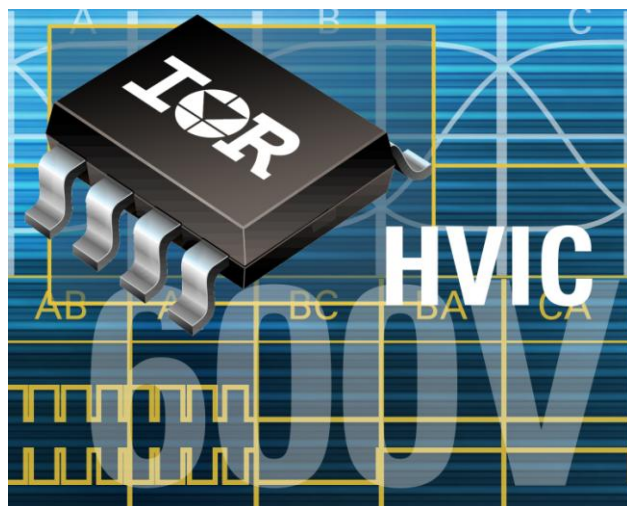


# Robust General Purpose 600V HVICs



The IR256xx family of general purpose High-Voltage ICs (HVICs) includes dual low-side drivers, half-bridge drivers, and high- and low-side drivers which can be incorporated into a variety of consumer applications including **automotive after-market, lighting, and consumer level appliances and motor control systems.**

These HVICs have undergone comprehensive testing which validates the quality and reliability of the product. They are designed using IR's highly robust Gen 2 process with its proven reliability and ruggedness to offer customers an affordable and reliable alternative to the competition.

[DATASHEETS](#)

## Features:

| Base    | Surface Mount Package | Pin Count | Topology                            | Source/Sink Currents (mA) | Output Logic                                                    | Comments                                                    |
|---------|-----------------------|-----------|-------------------------------------|---------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|
| IR25600 | IR25600SPbF           | 8         | Dual Low Side Driver                | 1500/1500                 | In phase with input                                             |                                                             |
| IR25601 | IR25601SPbF           | 8         | Half-Bridge Driver                  | 60/130                    | In phase with input                                             | UVLO Vcc & Vbs                                              |
| IR25602 | IR25602SPbF           | 8         | Half-Bridge Driver                  | 130/270                   | Low side out of phase with input, High side in phase with input | UVLO Vcc; Input logic for shutdown                          |
| IR25603 | IR25603SPbF           | 8         | Self-Oscillating Half-Bridge Driver | ---                       | Low side in phase with RT, High side out of phase with RT       | UVLO Vcc; Input logic for shutdown; Programmable oscillator |
| IR25604 | IR25604SPbF           | 8         | High and Low Side Driver            | 200/350                   | In phase with inputs                                            | UVLO Vcc & Vbs                                              |
| IR25606 | IR25606SPbF           | 8         | Half-Bridge Driver                  | 200/350                   | In phase with inputs                                            | UVLO Vcc & Vbs                                              |
| IR25607 | IR25607SPbF           | 16        | High and Low Side Driver            | 2000/2000                 | In phase with inputs                                            | UVLO Vcc & Vbs; Input logic for shutdown                    |

## Advantages:

- The IR256xx family is designed using IR's robust Gen 2 process
- The IR256XX series is comparable to parts in the current market – both in terms of functionality and pin out.

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