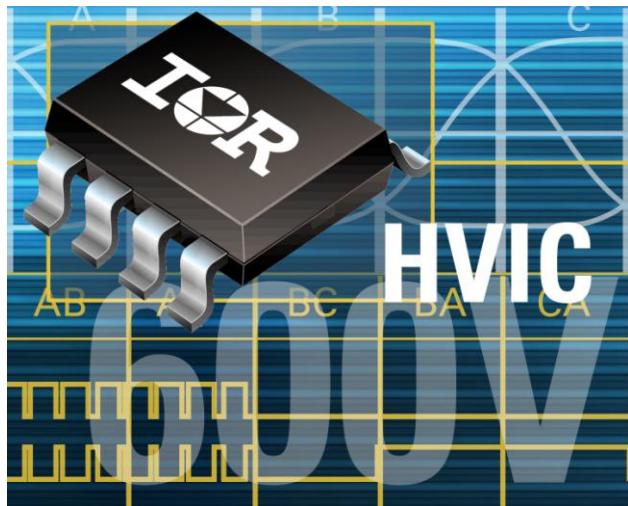


Robust General Purpose 600V HVICs



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 Low side out of phase with input, High side 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.