
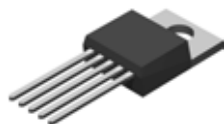
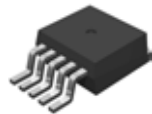
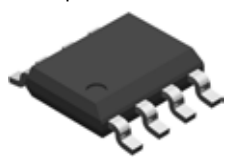


Gate Drivers

High Speed, High Current Low Side Gate Drivers

The 30 A IXD_630 additionally offers undervoltage lockout (UVLO) that locks out the source and sink drivers until a sufficient level of V_{CC} is present.

Part Number	Output Type	I_{PK} $T_C = 25^\circ C$ A	Output Resistance Ω	Enable Function	non-inverting	inverting	UVLO V	Package	Fig. No.	Outline drawings on pages O-29...O-51		
➤ New												
➤ IXDD 614PI	Single	14	0.8	•	•		-	8-Pin DIP	X502	X502 8-pin DIP  X006 TO-220  X012a TO-263  X512a 8-pin SOIC X512b 8-pin PowerSOIC with exposed metal back 		
➤ IXDD 614SI				•	•			8-Pin Power SOIC	X512b			
➤ IXDD 614CI				•	•			5-Pin TO-220	X006			
➤ IXDD 614YI				•	•			5-Lead TO-263	X012a			
➤ IXDI 614PI								•			8-Pin DIP	X502
➤ IXDI 614SI								•			8-Pin Power SOIC	X512b
➤ IXDI 614CI								•			5-Pin TO-220	X006
➤ IXDI 614YI								•			5-Lead TO-263	X012a
➤ IXDN 614PI								•			8-Pin DIP	X502
➤ IXDN 614SI								•			8-Pin Power SOIC	X512b
➤ IXDN 614CI								•			5-Pin TO-220	X006
➤ IXDN 614YI								•			5-Lead TO-263	X012a
➤ IXDD 630CI				Single	30	0.4	•	•			11.75	5-Pin TO-220
➤ IXDD 630MCI	•	•					8.50	5-Pin TO-220	X006			
➤ IXDD 630YI	•	•					11.75	5-Pin TO-263	X012a			
➤ IXDD 630MYI	•	•					8.50	5-Pin TO-263	X012a			
➤ IXDI 630CI							•		11.75	5-Pin TO-220	X006	
➤ IXDI 630MCI							•		8.50	5-Pin TO-220	X006	
➤ IXDI 630YI							•		11.75	5-Pin TO-263	X012a	
➤ IXDI 630MYI							•		8.50	5-Pin TO-263	X012a	
➤ IXDN 630CI							•		11.75	5-Pin TO-220	X006	
➤ IXDN 630MCI							•		8.50	5-Pin TO-220	X006	
➤ IXDN 630YI							•		11.75	5-Pin TO-263	X012a	
➤ IXDN 630MYI							•		8.50	5-Pin TO-263	X012a	

IX2127 600 V High-Side MOSFET and IGBT Driver

The IX2127 is a high-voltage, high-speed power MOSFET and IGBT driver. The device's high-voltage level-shift technique enables it to operate at up to 600 V. Clare's proprietary common-mode design techniques provide stable operation in high dV/dt noise environments.

The IX2127 detects an over-current condition in the driven MOSFET or IGBT device, and shuts down drive to that device. An open-drain output, the FAULT output, indicates that an over-current shutdown has occurred. The gate driver output typically can source 250 mA and sink 500 mA, which is suitable for fluorescent lamp ballast, motor control, SMPS, and other converter drive topologies. Available in 8-pin DIP and 8-pin SOIC packages.


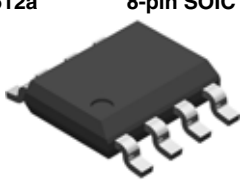
Features

- Floating Channel Designed for Bootstrap Operation up to 600 V
- Tolerant to Negative Transient Voltages; dV/dt Immune
- Undervoltage Lockout
- 3.3 V, 5 V, and 12 V Input Logic Compatible
- Open-Drain FAULT Indicator Pin Shows Over-Current Shutdown
- Output in Phase with the Input

Applications

- High Speed Gate Driver
- Motor Drive Inverter
- Automotive

Outline drawings on pages O-29...O-51

X502 **8-pin DIP**

X512a **8-pin SOIC**


Part Number	V_{offset} V	I_o Source/Sink \pm mA	V_{csth} Comparator Threshold mV	t_{on} / t_{off} typ. ns	Package	Fig. No.
➤ New						
➤ IX 2127G	600	250/500	250	100	8-Pin DIP	X502
➤ IX 2127N					8-Pin SOIC	X512a