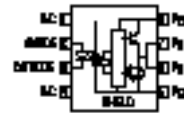


Mfrs. List No.	Order Code	Price Each				
		1+	25+	100+	250+	500+
<b>10MBd, LSTTL/TTL Single</b>						
6N137	326-770					
HCPL2601	326-800					
HCPL2611	655-211					
HCNW2611	942-121					
<b>Dual</b>						
HCPL2630	326-835					
HCPL2631	326-859					
HCPL4661	942-133					
<b>10MBd, HCMOS/LSTTL/TTL Single</b>						
HCPL261A	942-145					
HCPL261N	942-157					
<b>Dual</b>						
HCPL263A	942-169					
HCPL263N	942-170					
<b>10MBd, High CMR Line Receiver Single</b>						
HCPL7601	942-182					
HCPL7611	942-194					
<b>10MBd, CMOS/TTL - Low Current Input Single</b>						
HCPL2602	326-811					
HCPL2612	942-200					
<b>40MBd, HCMOS/LSTTL/STTL/TTL Single</b>						
HCPL2400	326-781					
HCPL2411	942-285					
<b>Dual</b>						
HCPL2430	326-823					

**Price Each**

HP Designers Guide to Isolation Circuits **946-412**  
 HP Regulatory Guide to Isolation Circuits **946-400**

### IGBT Gate Drive



**Agilent Technologies**  
Innovating the HP Way

- 1.0V maximum low level output voltage eliminates the need for negative gate drive
- Undervoltage lock-out protection (UVLO) with hysteresis
- Wide operating  $V_{CC}$  range: 15 to 30 volts
- Industrial temperature range: -40°C to 100°C
- UL recognised

Peak Output Current (min.)	CMR (V/ $\mu$ s) (min)	$V_{CM}$	Supply Current (max.)	Prop. Delay ( $\mu$ s) $t_{PHL}$ $t_{PHL}$	Mfrs. List No.	Order Code
2.0A	15000	1500	5mA	0.10 0.10	HCPL3120	942-297
0.5A	15000	1500	5mA	0.10 0.10	HCPL3150	942-303

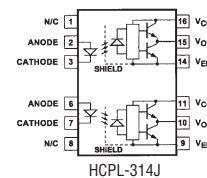
OPT517

Mfrs. List No.	Order Code	1+	50+	100+	250+	1K+
HCPL3120	942-297					
HCPL3150	942-303					

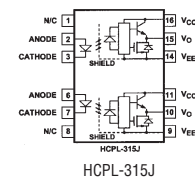
### Dual Channel IGBT Gate Drive - Surface Mount Small Outline 16 Pin Package



**Agilent Technologies**  
Innovating the HP Way



HCPL-314J



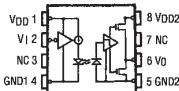
HCPL-315J

- Minimum peak output current: 0.4A HCPL-314J, 0.5A HCPL-315J
- Ultra high CMR: 10kV HCPL-314J, 15kV HCPL-315J @  $V_{CM} = 1.5kV$
- Maximum propagation delay: 0.7 $\mu$ s HCPL-314J, 0.5 $\mu$ s HCPL-315J max.
- $I_{CC}$  maximum: 3mA HCPL-314J, 5mA HCPL-315J
- Industrial temperature range: -40°C to +100°C
- Small outline 16 pin package

OPT691

Mfrs. List No.	Order Code	1+	25+	50+	100+	250+
HCPL-314J	312-5830					
HCPL-315J	312-5841					

### High Speed CMOS



**Agilent Technologies**  
Innovating the HP Way

UL1577 and VDE0884 approved.

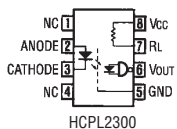
The HCPL-77xx optocouplers utilise the latest CMOS IC technology to achieve outstanding performance with very low power consumption. They require only two bypass capacitors for complete CMOS capability. A CMOS logic input signal controls the LED driver IC which supplies current to the IC.

Data Rate (NRZ) Mbd max.	Common Mode Transient Immunity V/ $\mu$ s	Withstand Test Voltage Vac/1 min	Minimum Pulse Width	Mfrs. List No.
25	10,000	2500	80ns	HCPL-7710
25	10,000	2500	40ns	HCPL-7720
25	10,000	2500	40ns	HCPL-7721

OPT228

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
HCPL-7710	143-170					
HCPL-7720	143-236					
HCPL-7721	143-248					

### Logic Gate Output - Low Current High Speed



Low input current high speed optocoupler. Compatible with CMOS, LSTTL and TTL logic. Schottky clamped open collector output.



**Agilent Technologies**  
Innovating the HP Way

UL recognised

Threshold current	0.5mA	Current transfer ratio	1600% min.
Typ data rate	5Mbit/s	Withstand test voltage	3000V dc

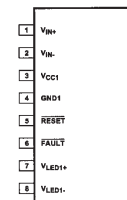
OPT126

Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
HCPL2300	326-860					

### 2.0Amp Gate Drive Optocoupler with Integrated ( $V_{CE}$ ) Desaturation and Fault Status Feedback



**Agilent Technologies**  
Innovating the HP Way



HCPL-316J

- Drive IGBTs up to  $I_C = 150A$ ,  $V_{CE} = 1200V$
- Optically isolated, FAULT status feedback
- CMOS/TTL compatible
- 500ns maximum switching speeds
- 'Soft' IGBT turn-off
- Integrated fail-safe IGBT protection
- User configurable: Inverting, Non-inverting, Auto-shutdown
- Wide operating  $V_{CC}$  range; 15 to 30 volts
- -40°C to +100°C operating temperature range
- 15kV/ $\mu$ s minimum common mode rejection (CMR) @  $V_{CM} = 1500V$

The HCPL-316J is a highly integrated power control device that incorporates all the necessary components for a complete, isolated IGBT gate drive circuit with fault protection and feedback into one SO-16 package. TTL input logic levels allows direct interface with a microcontroller, and an optically isolated power output stage drives IGBTs with power ratings of up to 150A and 1200V.

OPT692

Mfrs. List No.	Order Code	1+	25+	50+	100+	250+
HCPL-316J	312-5853					

continued