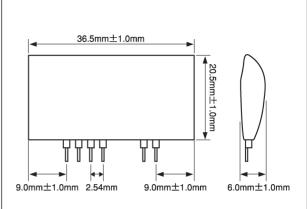
## HYBRID GATE DRIVER IC FOR IGBT GH-038



SanRex Hybrid Gate Driver IC for IGBT

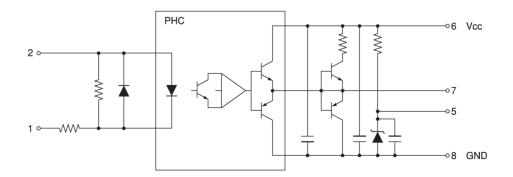
- High Voltage isolation by Photo Coupler
- Enable to drive IGBT up to dual 300A module
- Operate with single power source
- Support to high-density system design
- Built-in opto coupler input resistor (330  $\Omega$ )

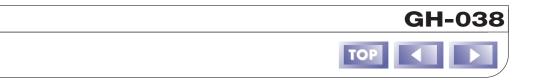


 $\ensuremath{\ensuremath{\mathbb{X}}}$  The model name is indicated on the back of the product.

Maximum Ratings			(Unless otherwise Tj			ïj=25℃)
Symbol	Item	Conditions	Ratings			Unit
			Min.	Тур.	Max.	
Vcc	Supply Voltage		23.0	26.0	28.0	V
Vон	Forward Bias Output Voltage	Vcc=26.0V	16.0	18.0	19.0	V
Vrb	Reverse Bias Supply Voltage	Vcc=26.0V	7.0	8.0	9.0	V
VFIN	Photo Coupler Input Voltage			5.0	7.0	V
١F	Photo Coupler Input Current	VFIN=5.0V	9.0	10.6	12.2	mA
lg1	Output Forward Current	PW=2 µs, Dutycycle<0.05		4.0	6.0	Α
lg2	Output Reverse Current	PW=2 µs, Dutycycle<0.05		4.0	6.0	A
<b>t</b> PLH	Switching Time-High side	Vcc=26.0V, I⊧=10mA			1.5	μs
<b>t</b> PHL	Switching Time-Low side	Vcc=26.0V, I⊧=10mA			1.5	μs
tr	Rise Time	Vcc=26.0V, IF=10mA			1.0	μs
tf	Fall Time	Vcc=26.0V, IF=10mA			1.0	μS
dv/dt	Common Mode Transient immunity		5k	10k		V/µs
Visc	Input / Output Isolation Voltage	AC50/60Hz, 1minute	AC2500			V
Topr	Operational Ambient Temperature		-25~+80			°C
Tstg	Storage Temperature		-40~+125			°C

## Equivalent Circuit





## Examble of Application

