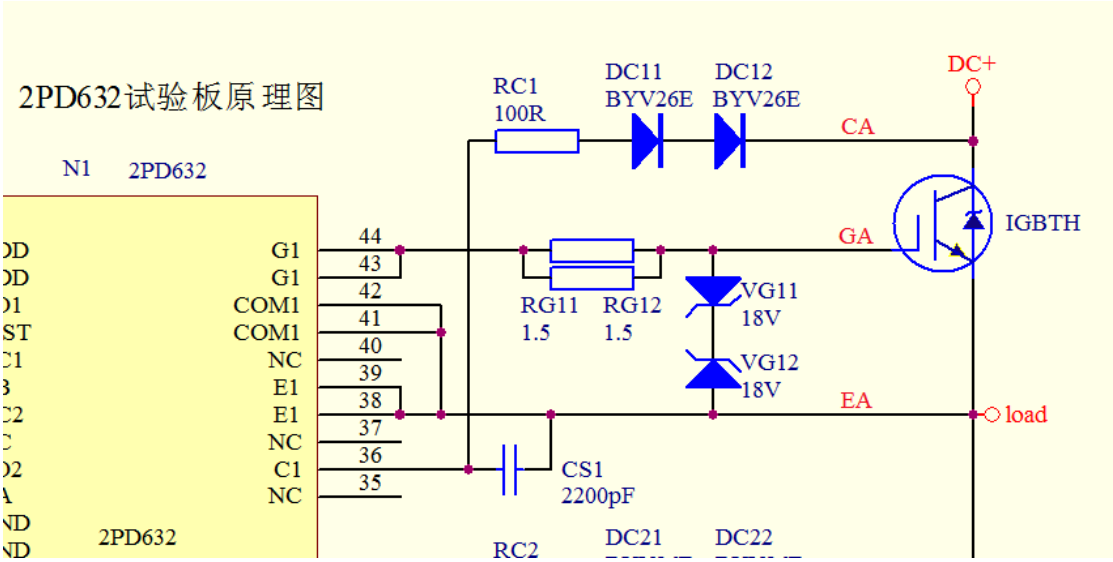
Sensitivity adjustment of 2PD632



The function of CS1 in above diagram is to delay detection time.By increase value of CS1 to reduce the sensitivity of drivers.The max limit value of CS1 is the drive module can shut-off effectively when remove Collector detection circuit and.

The function of RC1 in above diagram is to reduce the interference pulse to Collector detection circuit when IGBT shut-off in order to avoid the malfunction of the driver by interference pulse and concussion. Properly increase the value of RC1 also can reduce the sensitivity of the driver. The value can be around the range of 51Ω~ 1kΩ.

It is recommended to use fast recovery diodes of DC11 and DC12 to reduce the interference and concussion caused by turn-on and shut-off of IGBT.

Above adjustment methods apply to all high power IGBT drivers.