

Document Number		RG_SPEC-0033	
Title		Power Stage 8	
Revision	Date	Prepared By	Change History
1.0	10/5/2015	TM	Initial Release

Part # POWERSTAGE8

Description:

This device has eight outputs. Each output provides a high current connection to ground when the input is triggered low. Special circuitry enables rapid decay of built-up current without overvoltage.

Specifications:

Outputs: 8
 Supply Voltage: 12v – 20v
 Inputs: 8, active low
 Wire Size: 16-22 AWG, dictated by Sureseal terminal capacity
 Operating Temp: -50° to 150° C
 Maximum Steady State Current: 10 Amps per output, dictated by Sureseal terminal capacity
 Peak Current: 20 Amps (thermally limited)
 Peak Inrush Current: 100 Amps (transient pulse must be <100 µsec)
 Operating Frequency: DC to 1 MHz

Note:

It is critical that the control inputs are brought completely to supply or ground. If not accomplished the device will be damaged beyond repair.

Connection: 26 way Sureseal connector

1	Injector driver 1	14	Injector Driver 5
2	Ground for 1	15	Ground for 5
3	Input 1 (active low)	16	Input 5
4	B+	17	Input 6
5	Input 2	18	Ground for 6
6	Ground for 2	19	Injector Driver 6
7	Injector Driver 2	20	Injector Driver 7
8	Injector Driver 3	21	Ground for 7
9	Ground for 3	22	Input 7
10	Input 3	23	B+
11	Input 4	24	Input 8
12	Ground for 4	25	Ground for 8
13	Injector Driver 4	26	Injector Driver 8



Dimensions:

Size: 5 1/4" x 3 1/8" x 7/8"
 134 mm x 80 mm x 23 mm
 Weight: 428 grams
 Mating Connector: 3-1437290-8