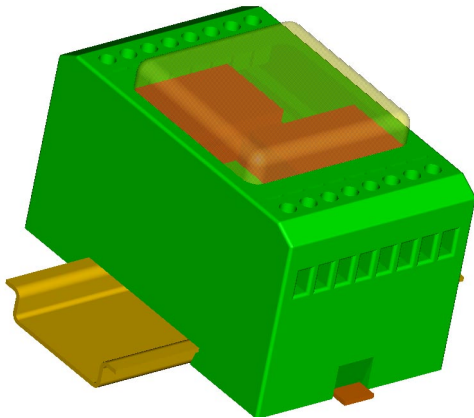




GT0001

PULSE TRANSFORMER MODULE

LINE VOLTAGE UP TO 750V

DEVICE CHIP SIZE UP TO 77mm (3")

- High compactness
- Possibility of multiple configurations
- DIN Rail Mounting
- Protection against electrical noise

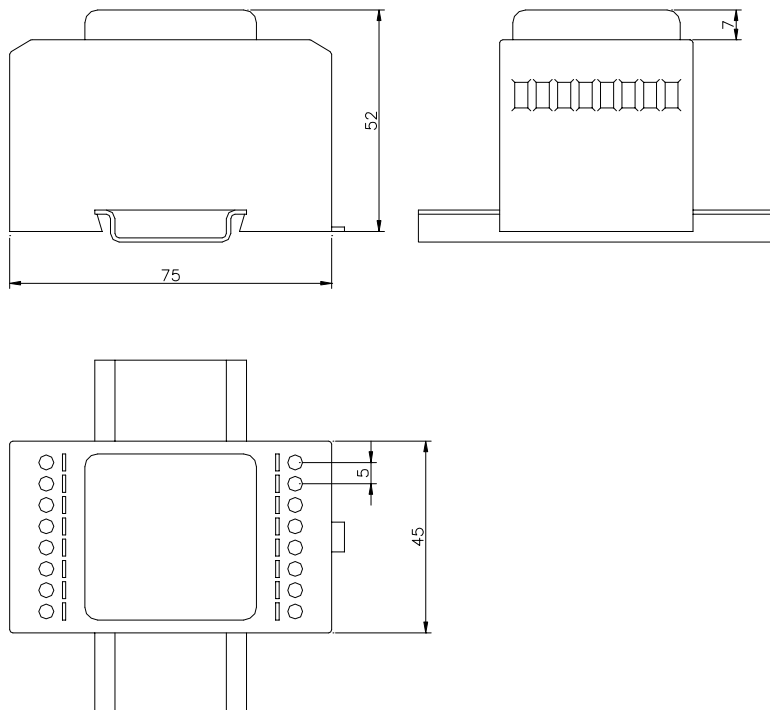
The GT0001 pulse transformer module can be used for a galvanically insulated interface between the control board and the power converter. The circuit includes components for the reduction of the electromagnetic noise at the gate-cathode terminals.

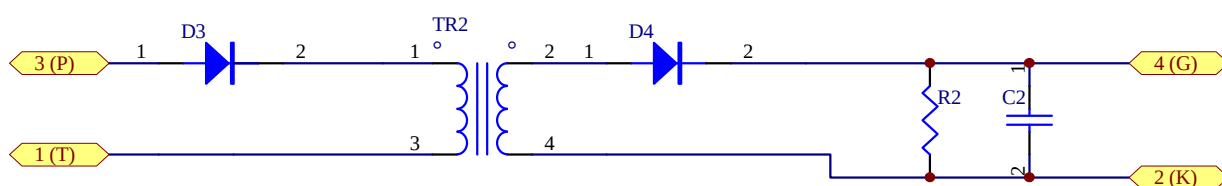
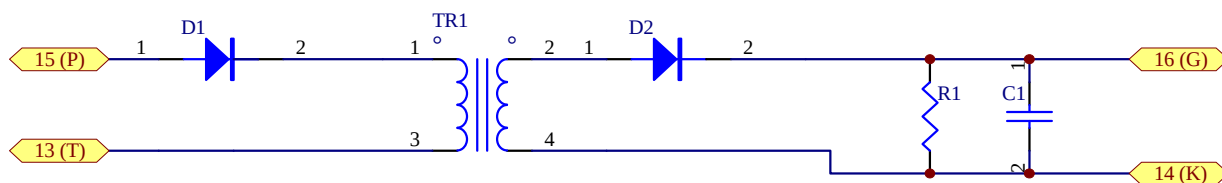
ELECTRICAL CHARACTERISCICS

Characteristic	Conditions	Value
V_{INS} (RMS)	Maximum insulation voltage	4000 V
Φ_{MAX}	Maximum transformer V μs @ $I_{OUT}=100mA$	900 V μs
V (RMS)	Nominal working voltage	750 V
T_R	Maximum pulse rise time On 10 Ω resistor	2 μs
C_C	Maximum coupling capacitance	100 pF
N	Transformer turns ratio	3:1

MECHANICAL AND THERMAL CHARACTERISTICS

	Width	45 mm
	Depth	52 mm
	Height	75 mm
Ta max	Max amb. op. Temp.	50 °C
Tstg	Storage temperature	-40/60 °C





In the interest of product improvement Green Power Solutions reserves the right to change any specification given in this data sheet without notice.