

Type : Step-Down Converter DC/DC

Description :	Versatile switching regulator with a single adjustable stabilized output The efficiency is essentially independent of input voltage. Output current need not be derated with increasing input voltage. The open version guarantees many possibilities of mounting.	from a DC source.
Features :	 Adjustable output voltage Short circuit protection Connecting in parallel Stand-by function Remote ON/OFF High efficiency Shake proof Vibration-proof by glue-fixed components on the PCB 	
Safety :	acc. to EN 60950	
Specifications :		
Input		
Input voltage range : No load input current : Remote ON/OFF :	1060Vdc 40mA Inhibit >3V / Operate <1V	
Output		
Output voltage : Output current : Tolerance : Line regulation : Ripple and noise : Temperature coefficient : Input/Output differential : Remote sense : Output current limit :	 4.515Vdc (set with potentiometer R7) 020A <3% <2% 150mVpp 3mVdc/°C 3.5Vdc (Uin >15Vdc) / 5Vdc (Uin <15Vdc) remove JP2 for remote sense operation 26A ±15% factory setting Warning: Higher current limit than factory setting may cause damage If necessary, turn potentiometer R25 only clockwise to archive a lowe When the units are used in parallel configuration, the current limit shows 	r current limit.
General		
Efficiency : Switching frequency : Weight : Dimension W x H x D :	typical 75% 25kHz approx. 0.4kg 127mm x 51mm x 137mm	
Environment		
Thermal performance : Relative humidity :	0°C…+70°C (max. heat sink temperature: +80°C) 5%…80% / no dewfall	
Mechanical notes		
Remove JP1 to synchronise to other regulators. Remove JP2 for remote sense.		

Important Hints

The module should be fixed at the heat sink <u>and</u> the opposite edges of the PCB; an elastic mounting is highly recommended. The efficiency of the heat sink must be sufficient. The contacts (INPUT+, OUTPUT+ and GND/RET) are realized by metric stud bolts (diameter: 4mm). The feedthroughs are intended for the signal contacts.



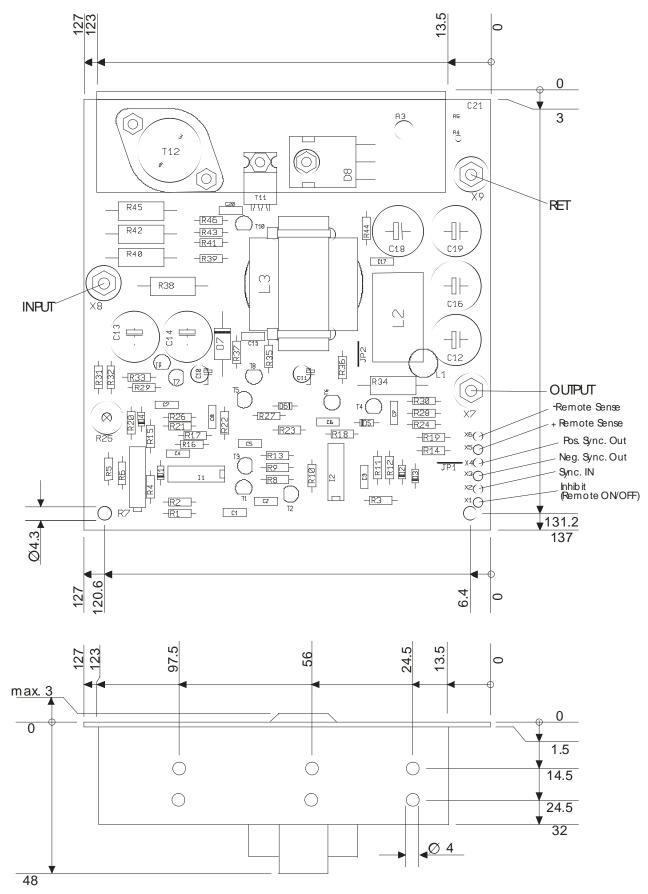


Fig. 2 (All measurements in the draft above are in millimetres [mm].)