



OHM
POWER
SOLUTIONS

M130TP

130Watt

**Triple Output Isolated
DC/DC Converter**



Features:

- Designed to meet MIL-STD-704A
- High Efficiency – up to 90% (*Full Load @ 25°C*)
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- Triple output
- Base Plate cooling
- No external EMI filter needed

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial



General specification	
DC Input	
Input voltage range	16-32 V _{DC}
Input transient Per MIL-STD-704A	(Including 80V for 100ms)
Protection	Reverse Polarity Protection
DC Output	
Output voltage / Current	See table below
Line Load & Temperature regulation	< +/-2%
Current limit on each output	115% - 145% of rated current
OVP	Over-Voltage on each output
Turn on Transient	No turn on transient
Load Transient Overshoot & Undershoot	No overshoot
Isolation	
Input to Output:	100 V _{DC}
Between outputs	100 V _{DC}
Input to Case:	100 V _{DC}
Output to Case:	100 V _{DC}
Interface	
Control Signals	INHIBIT ON/OFF TTL "1" or OPEN – Power supply is ON TTL "0" or SHORT to SIGNAL RTN – Power supply is OFF
Environmental	
Operating Temperature	-40°C +90°C Base plate
Over-Temperature protection	at 100°C with auto recovery
Shock & Vibration	per MIL-STD-810E
EMI-RFI	per MIL-STD-461C
Mechanical	
Size	120mm x 103.1mm x 20.5mm
Weight	530 grams
Cooling	Base plate
Input / Output connector	D-Type M24308/24-39 (25 pin) with standoff M24308/26-1 or Eq. x2

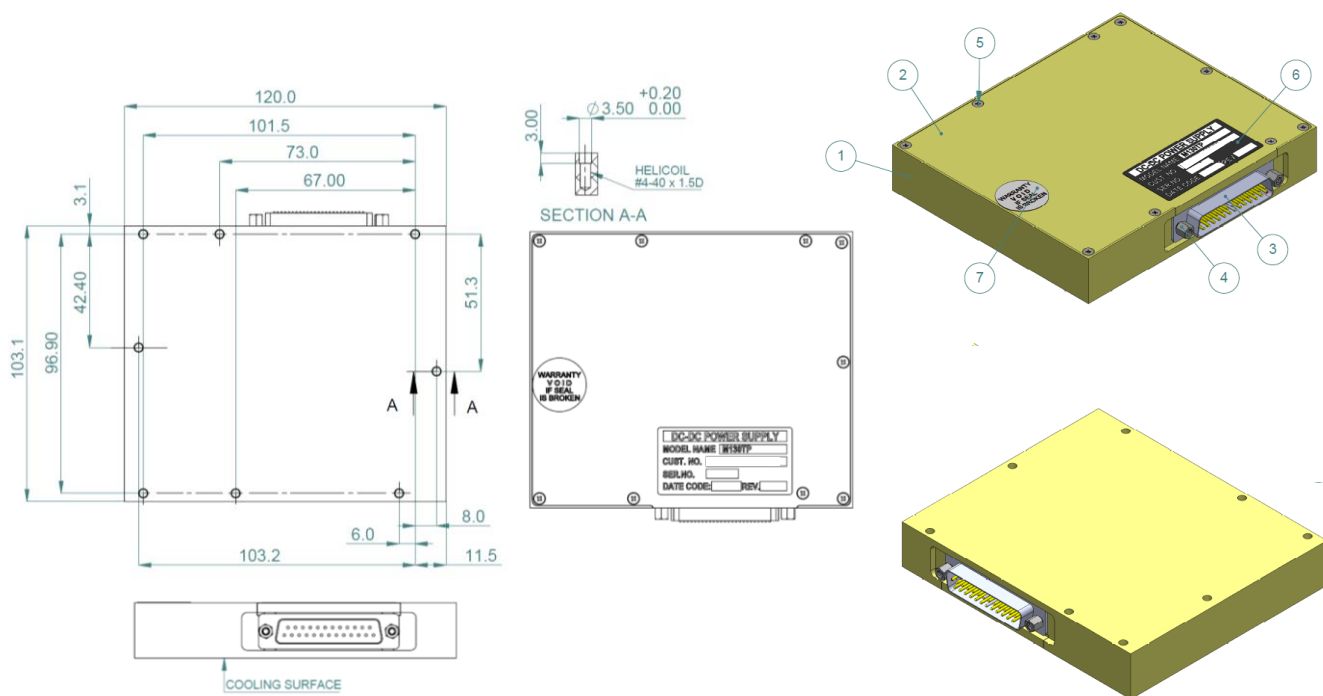
Ordering Information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
ANVIS	3	28	+5.1	8	40.8	130.8	50
			+15	3	45		100
			-15	3	45		100

PIN -VIN Assignment

PIN #	PIN Function	PIN #	PIN Function	PIN #	PIN Function
1	+5.1 VDC OUT	12	-V _{IN}	23	+V _{IN}
2	+5.1 VDC OUT	13	INHIBIT LOW=OFF	24	-V _{IN}
3	R+5V	14	+5.1 VDC OUT	25	-V _{IN}
4	R+5V	15	+5.1 VDC OUT		
5	+15VDC OUT	16	R+5V		
6	R+15V	17	R+5V		
7	R-15V	18	+15VDC OUT		
8	-15VDC OUT	19	R+15V		
9	Not Connected	20	R-15V		
10	+V _{IN}	21	-15VDC OUT		
11	+V _{IN}	22	Not Connected		

Outline Drawing



Note: Specifications are subject to change without prior notice by the manufacturer.
Additional configurations and modifications available. Contact us for more details.