

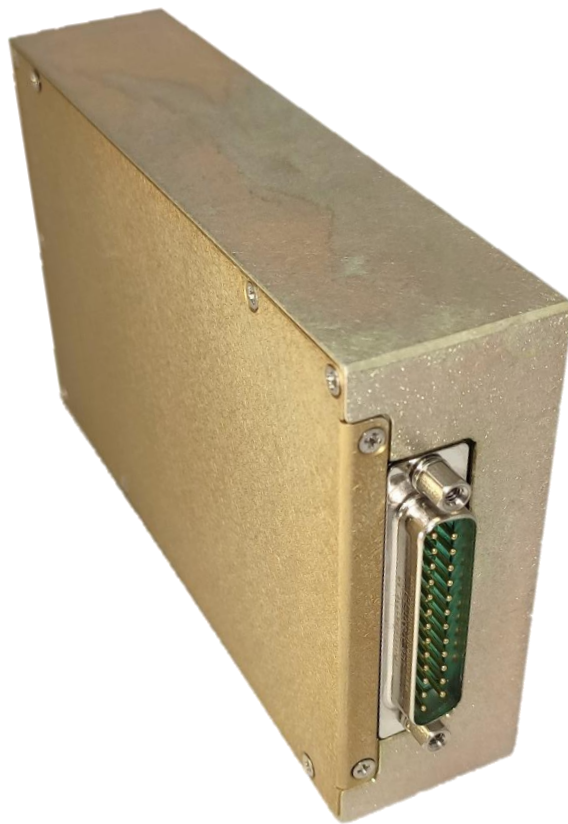


OHM
POWER
SOLUTIONS

VE_HU

180Watt

SINGLE INPUT/OUTPUT
DC/DC Converter





Features:

- Designed to meet MIL-STD-704 A&D, MIL-STD-1275A
- High Efficiency – up to 97%
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- Single output
- Base Plate cooling
- No external EMI filter needed
- Hold up time of minimum 50msec for 120W output
- Option to externally add capacitors for additional Hold Up

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial



General specification	
DC Input	
Input voltage range	15-48V _{DC}
Input Per MIL-STD-704 A&D	(Including 80V for 100ms – full operation)
Input Per MIL –STD 1275A	(Including 100V for 50ms – full operation)
Current limit on each output	>9A Continuous protection for unlimited time with auto recovery
Reverse polarity protection	Included
Input under voltage	<12V
OVP	Over-Voltage on each output - Non-latch type
Turn on Transient	No turn on transient
Isolation	
INPUT to OUTPUT	-
INPUT to CASE	250 V _{DC}
OUTPUT to CASE	250 V _{DC}
Interface	
Control Signals	TTL logic
Inhibit Signals	ON/OFF = Open, P.S. is OFF . ON/OFF = GND (-2V ÷ +2V) P.S. is ON (GND is isolated).
SYNC IN	To allow power supply frequency to sync with system frequency
Input Fail	To indicate input line voltage is below the lower threshold
Hold Up time	Minimum 50 msec for 120W output Option to externally add capacitors for additional Hold Up
Environmental	
Operating Temperature	-55°C to +85°C Base plate
Over-Temperature protection	to +105°C with auto recovery at +95°C
Shock & Vibration	per MIL-STD-810D
EMI-RFI	per MIL-STD-461E
Mechanical	
Size L x H x W (mm)	87 x 33 x 146
Weight (grams)	550
Cooling	Base plate
Input/Output connector	J1 - Conec P/N: M24308/24-39F or Eq.

Ordering information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
VE_HU	A-1	28VDC	30	6	30	180	100

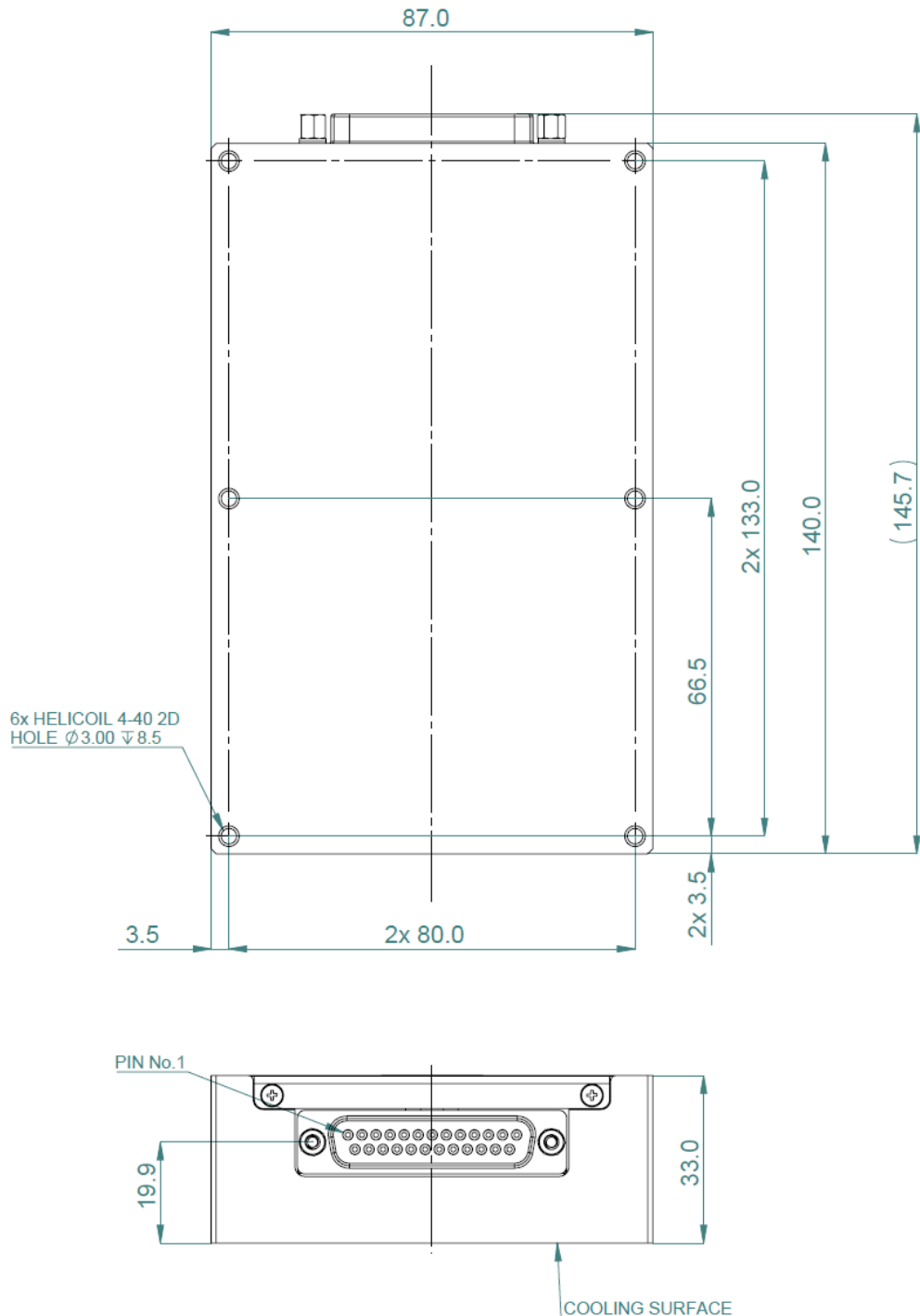
J1 PIN – Assignment

PIN#	Function	PIN#	Function
1	VCAP_MEAS	14	VCAP_MEAS
2	RTN	15	RTN
3	RTN	16	RTN
4	+30V_OUT	17	RTN
5	+30V_OUT	18	+30V_OUT
6	CHARGE	19	DISCHARGE
7	SIN_RTN	20	INHIBIT
8	EXT_CLK_SYNCB_L_INT	21	VIN_FAIL
9	EXT_CLK_SYNCB_H_INT	22	VIN_RTN
10	VIN_RTN	23	VIN_RTN
11	VIN_RTN	24	+VINPUT
12	+VINPUT	25	+VINPUT
13	+VINPUT	26	Spare

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



VE_HU Outline Drawing



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