



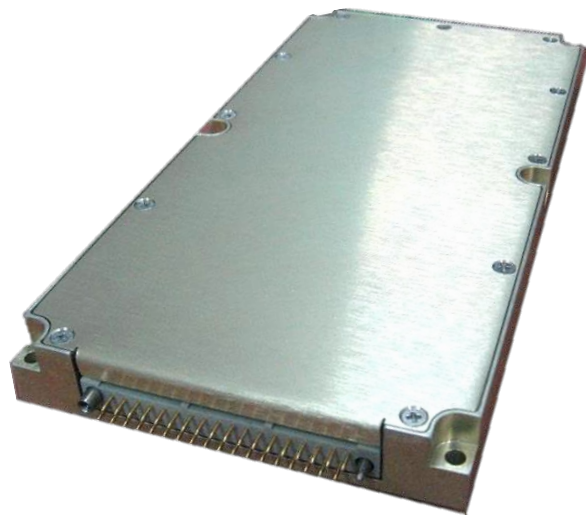
OHM
POWER
SOLUTIONS

DA8-2

145Watt

EIGHT ISOLATED OUTPUTS

DC/DC Converter





Features:

- High Efficiency – up to 83%
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- Eight isolated outputs.
- Base Plate cooling
- No external EMI filter needed

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial





General specification	
DC Input	
Input voltage range	15-48V _{DC}
Input Per MIL-STD-704A	(Including 80V for 100ms – no damage)
Input Per MIL-STD-1275A	(Including 100V for 50ms – no damage)
Protection	Reverse Polarity Protection
DC Output	
Output voltage / Current	See table below
Line Load & Temperature regulation	< +/-2%
Current limit on each output	115% - 130% of rated current
OVP	Over-Voltage on each output
Isolation	
Input to Output:	200 V _{DC}
Input to Case:	200 V _{DC}
Output to Case:	200 V _{DC}
Interface	
Control Signals	TTL logic
Inhibit Signals	ON/OFF = Open, P.S. is ON . ON/OFF = GND (-2V ÷ +2V) P.S. is OFF
Internal Switching frequency	Internal frequency source: 250 KHz ± 5%
Environmental	
Operating Temperature	-55°C to +85°C Base plate
Over-Temperature protection	+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)	165.1 x 15.5 x 83.8
Weight (grams)	320 MAX
Cooling	Base plate
Input/Output connector	Airborn P/N: WTB36PR7J-342 or Eq.



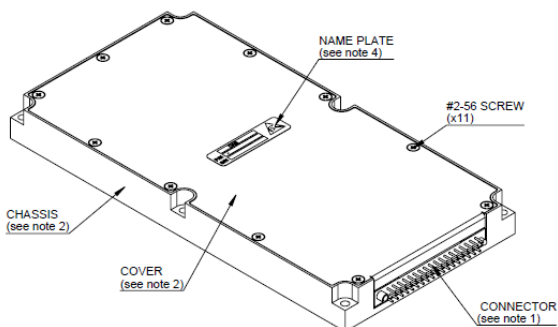
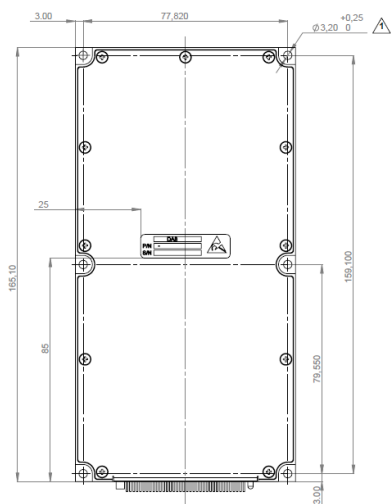
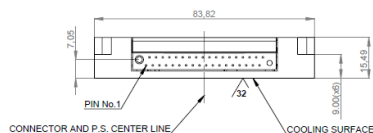
Ordering information

MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
DA8-2	1	28	28	1.25	35	146	280
	2		5	3	15		50
	3		5	5	25		50
	4		3.3	8	26.4		33
	5		1.5	3	4.5		30
	6		2.51	4	10		30
	7		15	1	15		150
	8		-15	1	15		150

CONNECTOR PIN – Assignment

PIN #	PIN Function	PIN #	PIN Function	PIN #	PIN Function	PIN #	PIN Function
1	+VIN	10	RTN_C	19	+VIN	28	RTN_C
2	+VIN	11	5V_C	20	+VIN	29	5V_C
3	VIN_RTN	12	28V_A_RTN	21	VIN_RTN	30	CHASSIS
4	VIN_RTN	13	28V_A	22	VIN_RTN	31	1.5V_C
5	RTN_C	14	1.5V_C	23	RTN_C	32	SIGNAL RTN
6	1.24V_C_RTN	15	INHIBIT	24	1.24V_C_RTN	33	SYNC_IN
7	3.3V_C	16	-15V_D	25	3.3V_C	34	RTN_D
8	3.3V_C	17	RTN_D	26	RTN_C	35	5V_B
9	RTN_C	18	15V_D	27	RTN_C	36	5V_B_RTN

Outline Drawing



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