



OHM
POWER
SOLUTIONS

DP35

35Watt

Five Isolated Outputs
DC/DC Converter



Features:

- High Efficiency – up to 81.5%
- Fully protected for Over Load/Short, Over-voltage and Over-Temperature
- Five isolated outputs
- Base Plate cooling
- No external EMI filter needed

Typical applications:

- Military
- Ruggedized
- Telecom
- Industrial



General specification	
DC Input	
Input voltage range	24-32V _{DC}
Input Per MIL-STD-704	(Including 80V for 100ms – 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% - 145% of rated current
Protection	• Over-Voltage on each output • Current Limiting - Continuous protection for unlimited time (Hiccup) with auto-recovery • Indefinite short circuit protection with auto-recovery
Isolation	
Input to Output:	50 V _{DC}
Input to Case:	50 V _{DC}
Output to Case:	50 V _{DC}
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-810E
EMI-RFI	per MIL-STD-461E
Mechanical	
Size L x H x W (mm)	60 x 12.5 x 30
Weight (<i>grams</i>)	50
Cooling	Base plate
Input/Output connector	Cambion P/N 460-2946-02-03-00 or Eq.

Ordering Information

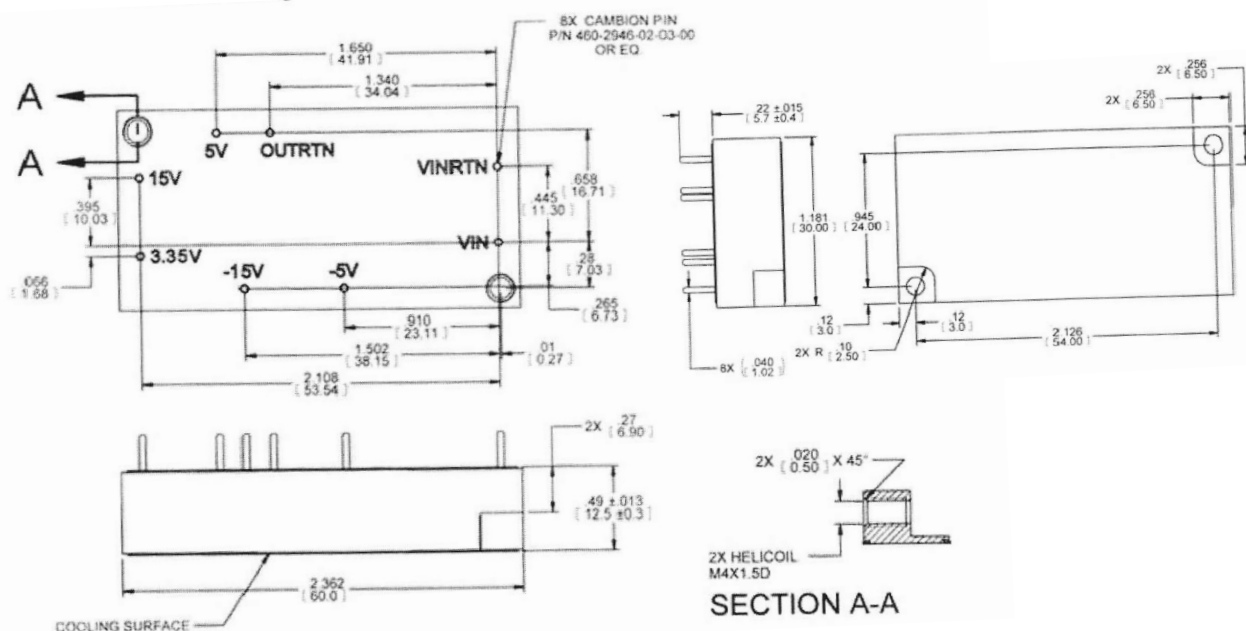
Ordering Information							
MODEL #	OUTPUT #	INPUT Voltage (V)	OUTPUT Voltage (V)	OUTPUT Current (A)	POWER (W)	POWER TOTAL (W)	R&N (mV)
DP35	A-1	28	5	2	10	33	50
	A-2		-5	0.6	3		50
	A-3		3.35	1.5	4.95		50
	B-4		15	0.5	7.5		50
	B-5		-15	0.5	7.5		50

PIN -VINAssignment

PIN #	PIN Function	NOTE
1	+5V_OUT/2A	A-1
2	OUTRTN A	-
3	VINRTN	-
4	VIN	-
5	-5V_OUT/0.6A	A-2
6	-15V_OUT/0.5A	B-5
7	OUTRTN B	-
8	+3.35V_OUT/1.5A (C.L. 2.5A)	A-3
9	+15V_OUT/0.5A	B-4



Outline Drawing



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