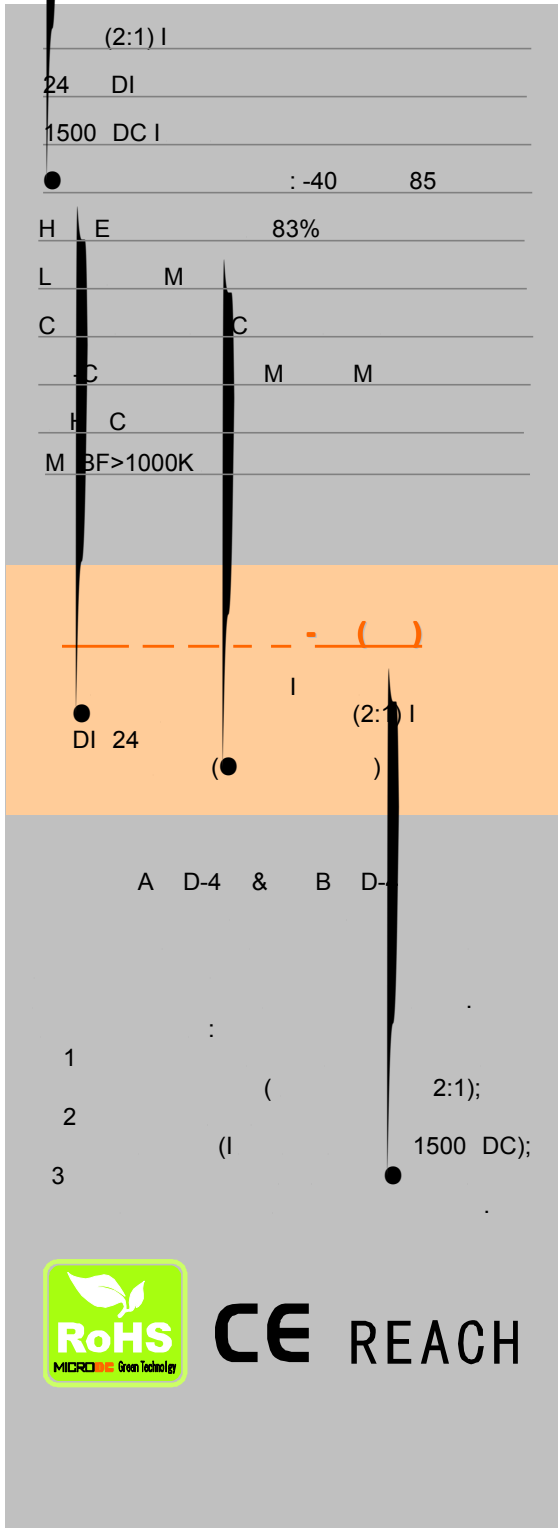




Professional Power Module

WRA- D-4W&WRB- D-4W

4W, WIDE INPUT, ISOLATED & REGULATED DUAL/SINGLE OUTPUT DC-DC CONVERTER



SELECTION GUIDE

Model	Input		Output	
	Input Voltage (V)	Input Current (A)	Output Voltage (V)	Output Current (A)
B1203 D-1000	12	9 DC - 18 DC	3.3 DC	1000 A
B1205 D-4	12	9 DC - 18 DC	5 DC	800 A
B1207 D-4	12	9 DC - 18 DC	7.2 DC	556 A
B1209 D-4	12	9 DC - 18 DC	9 DC	444 A
B1212 D-4	12	9 DC - 18 DC	12 DC	333 A
B1215 D-4	12	9 DC - 18 DC	15 DC	267 A
B1218 D-4	12	9 DC - 18 DC	18 DC	222 A
B1224 D-4	12	9 DC - 18 DC	24 DC	167 A
B2403 D-1000	24	18 DC - 36 DC	3.3 DC	1000 A
B2405 D-4	24	18 DC - 36 DC	5 DC	800 A
B2407 D-4	24	18 DC - 36 DC	7.2 DC	556 A
B2409 D-4	24	18 DC - 36 DC	9 DC	444 A
B2412 D-4	24	18 DC - 36 DC	12 DC	333 A
B2415 D-4	24	18 DC - 36 DC	15 DC	267 A
B2418 D-4	24	18 DC - 36 DC	18 DC	222 A
B2424 D-4	24	18 DC - 36 DC	24 DC	167 A
B4803 D-1000	48	36 DC - 72 DC	3.3 DC	1000 A
B4805 D-4	48	36 DC - 72 DC	5 DC	800 A
B4807 D-4	48	36 DC - 72 DC	7.2 DC	556 A
B4809 D-4	48	36 DC - 72 DC	9 DC	444 A
B4812 D-4	48	36 DC - 72 DC	12 DC	333 A
B4815 D-4	48	36 DC - 72 DC	15 DC	267 A
B4818 D-4	48	36 DC - 72 DC	18 DC	222 A
B4824 D-4	48	36 DC - 72 DC	24 DC	167 A
A1203 D-500	12	9 DC - 18 DC	3.3 DC	500 A
A1205 D-4	12	9 DC - 18 DC	5 DC	400 A
A1207 D-4	12	9 DC - 18 DC	7.2 DC	278 A
A1209 D-4	12	9 DC - 18 DC	9 DC	222 A
A1212 D-4	12	9 DC - 18 DC	12 DC	167 A
A1215 D-4	12	9 DC - 18 DC	15 DC	133 A
A1218 D-4	12	9 DC - 18 DC	18 DC	111 A
A1224 D-4	12	9 DC - 18 DC	24 DC	83 A
A2403 D-500	24	18 DC - 36 DC	3.3 DC	500 A
A2405 D-4	24	18 DC - 36 DC	5 DC	400 A
A2407 D-4	24	18 DC - 36 DC	7.2 DC	278 A
A2409 D-4	24	18 DC - 36 DC	9 DC	222 A
A2412 D-4	24	18 DC - 36 DC	12 DC	167 A
A2415 D-4	24	18 DC - 36 DC	15 DC	133 A
A2418 D-4	24	18 DC - 36 DC	18 DC	111 A
A2424 D-4	24	18 DC - 36 DC	24 DC	83 A
A4803 D-500	48	36 DC - 72 DC	3.3 DC	500 A
A4805 D-4	48	36 DC - 72 DC	5 DC	400 A
A4807 D-4	48	36 DC - 72 DC	7.2 DC	278 A
A4809 D-4	48	36 DC - 72 DC	9 DC	222 A
A4812 D-4	48	36 DC - 72 DC	12 DC	167 A
A4815 D-4	48	36 DC - 72 DC	15 DC	133 A
A4818 D-4	48	36 DC - 72 DC	18 DC	111 A
A4824 D-4	48	36 DC - 72 DC	24 DC	83 A



CE REACH

I	S
I	S
E	S

G	S
O	S
P	S

APPLICATION NOTE

DC/DC

0%

A A D-4 & B D-4

(1).

E H

F

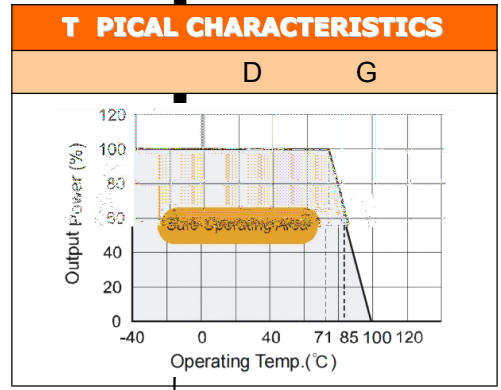
G (1).

C : 5 12 100 F
24 48 100 F-47 F
C : 10 F/100 A

DC/DC (

2).

G : 1.4*1 -



RECOMMENDED CIRCUIT

G

Dual Output

Single Output

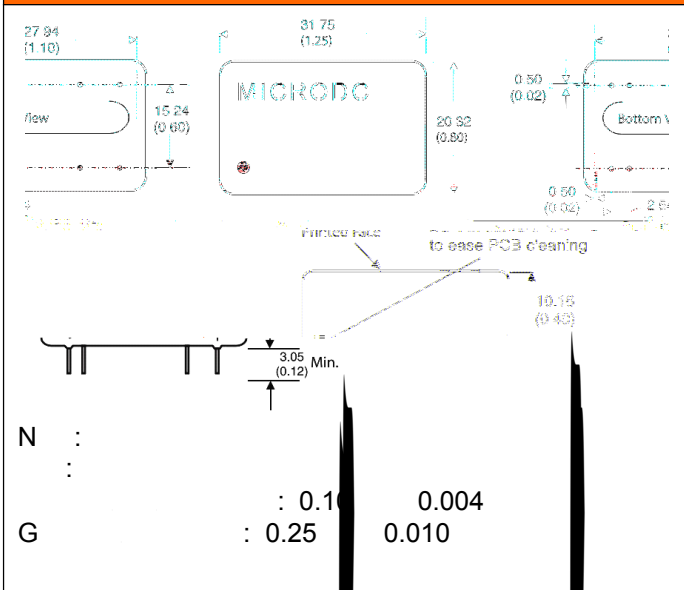
(Figure 1)

input voltage (V)

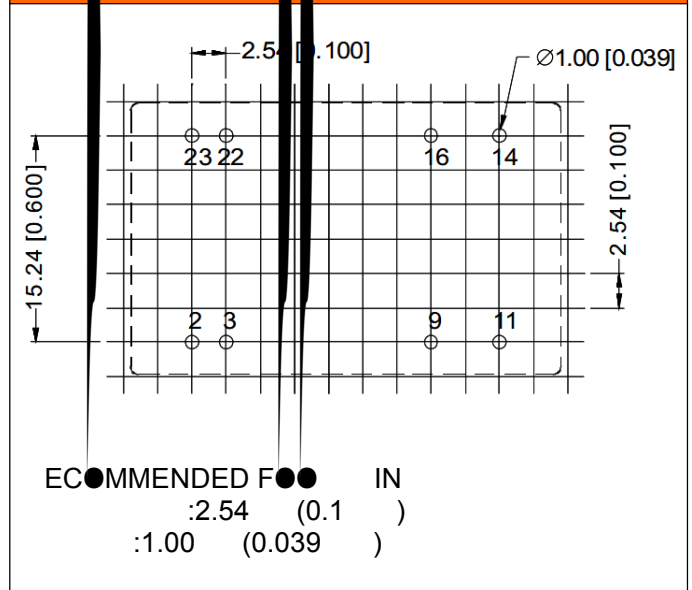
(Figure 2)

OUTLINE DIMENSIONS & FOOTPRINT DETAILS

MECHANICAL DIMENSIONS



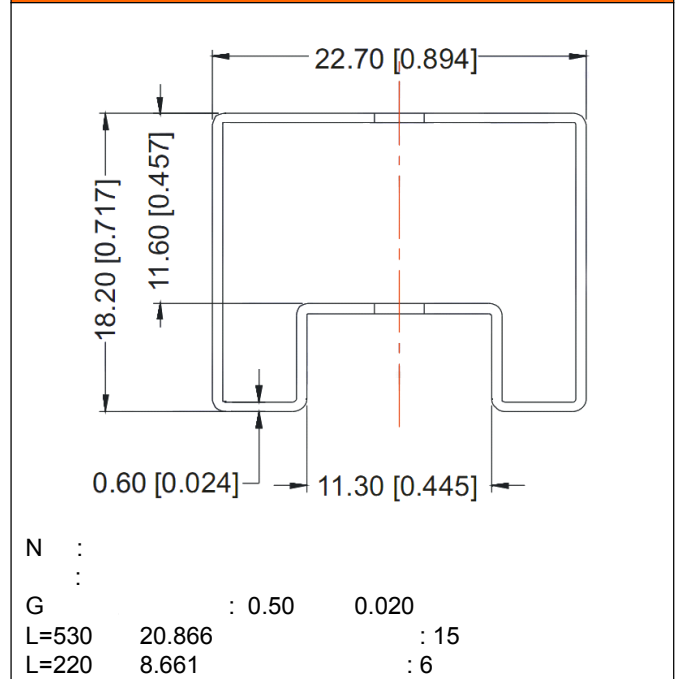
RECOMMENDED FOOTPRINT



FOOTPRINT DETAILS

Pin No.	Symbol	Notes
2 3	-	-
9	N.C	C
11	N.C	- ●
14	+ ●	+ ●
16	- ●	C
22 23	+	+

TUBE OUTLINE DIMENSIONS



NC-N

71 ,
60%

N :
(0)

N :
1. 10%,
2. 10% ; H
3. A =25 C, <75%,
4.
5. ●