

## 5 Watt DC to DC Converters

### Features

- 5W Dip24 package
- 2:1 Input Range
- Input Pi Filter
- Typical Efficiency 80%
- Regulated Output
- Metal Case



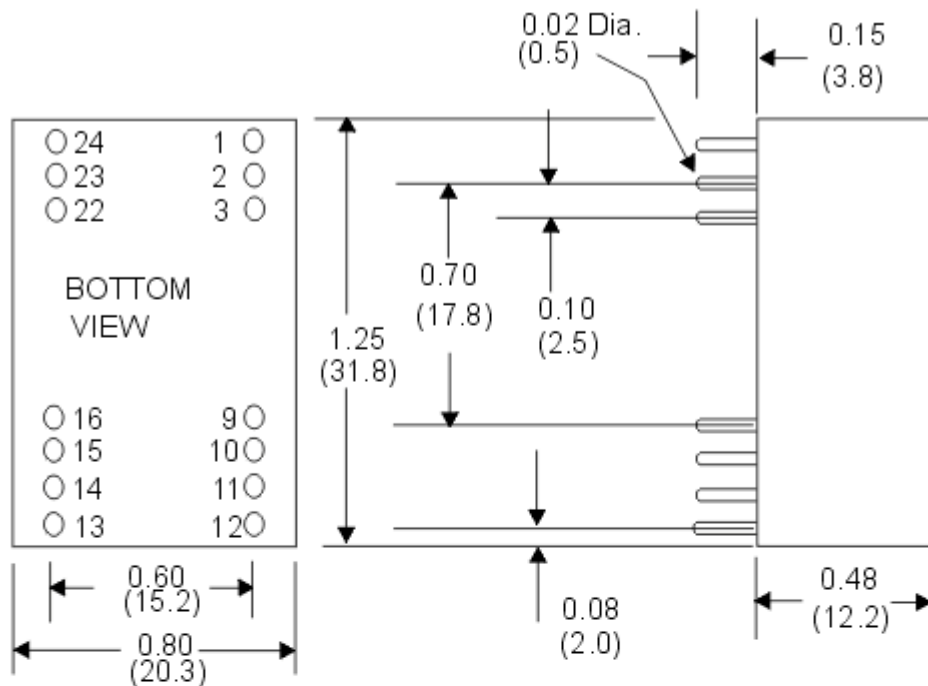
Parameter	Specifications
Input Voltage Range	2:1 / 4:1 Range
Nominal Line	12/24/48 VDC
Input Filter	PI Netowrk
Voltage Accuracy	±2% max.
Temperature Coefficient	±0.03%/°C
R & N (20MHz BW)	(5V/9V).....100mVp-p max (12V/15V).....1%Vp-p max
Line Regulation	(HL-LL).....±0.5% max
Load Regulation	(FL-10%FL).....±0.5% max
Short Circuit Protection	Continuous
Min Load:	For Single Output Models.....none For Dual Output Models.....10%FL ea. Output
Isolation Voltage	1000VCD min.
Switching Frequency	50KHz min
Case Size	31.8mm X 20.3mm X 12.2mm
Operating Temperature	-25°C TO +71°C
Storage Temperature	-40°C TO +100°C
Cooling	Free Air Convection
Case Material	Black Coated Medtal With Non-Conductive Base

### Notes

For DW05-XX series Pin configuration package "A" only.

No.	Model	Input	Output	I <sub>omin</sub>	I <sub>omax</sub>	Load Reg.	Power
1.	DW05-11	9-18 VDC	+5.00VDC	0.00mA	1000.00mA	±0.50%	5.00(w)
2.	DW05-12	9-18 VDC	+12.00VDC	0.00mA	470.00mA	±0.50%	5.00(w)
3.	DW05-13	9-18 VDC	+15.00VDC	0.00mA	400.00mA	±0.50%	5.00(w)
4.	DW05-14	9-18 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.50% ±0.50%	5.00(w)
5.	DW05-15	9-18 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	230.00mA 230.00mA	±0.50% ±0.50%	5.00(w)
6.	DW05-16	9-18 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	190.00mA 190.00mA	±0.50% ±0.50%	5.00(w)
7.	DW05-21	18-36 VDC	+5.00VDC	0.00mA	1000.00mA	±0.50%	5.00(w)
8.	DW05-22	18-36 VDC	+12.00VDC	0.00mA	470.00mA	±0.50%	5.00(w)

9.	DW05-23	18-36 VDC	+15.00VDC	0.00mA	400.00mA	±0.50%	5.00(w)
10.	DW05-24	18-36 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.50% ±0.50%	5.00(w)
11.	DW05-25	18-36 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	230.00mA 230.00mA	±0.50% ±0.50%	5.00(w)
12.	DW05-26	18-36 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	190.00mA 190.00mA	±0.50% ±0.50%	5.00(w)
13.	DW05-31	36-72 VDC	+5.00VDC	10.00mA	135.00mA	±0.50%	5.00(w)
14.	DW05-32	36-72 VDC	+12.00VDC	9.00mA	142.00mA	±0.50%	5.00(w)
15.	DW05-33	36-72 VDC	+15.00VDC	10.00mA	147.00mA	±0.50%	5.00(w)
16.	DW05-34	36-72 VDC	+5.00VDC -5.00VDC	10.00mA 10.00mA	135.00mA 135.00mA	±0.50% ±0.50%	5.00(w)
17.	DW05-35	36-72 VDC	+12.00VDC -12.00VDC	9.00mA 9.00mA	138.00mA 138.00mA	±0.50% ±0.50%	5.00(w)
18.	DW05-36	36-72 VDC	+15.00VDC -15.00VDC	10.00mA 10.00mA	139.00mA 139.00mA	±0.50% ±0.50%	5.00(w)



### Package A

PIN CONNECTIONS		
Pin#	Single	Dual
2&3	-Vi	-Vi
9	N.C.	Comm.
10&15	N.P.	N.P.
11	N.C.	-Vo
14	+Vo	+Vo
16	-Vo	Comm.
22&23	+Vi	+Vi
1,2,4,12,13	N.P.	N.P.

### Package B

PIN CONNECTIONS		
Pin#	Single	Dual
1&24	+Vi	+Vi
2&23	N.P.	-Vo
3&22	N.P.	Comm.
10&15	-Vo	Comm.
11&14	+Vo	+Vo
12&13	-Vi	-Vi
9&16	N.P.	N.P.

\*N.P.=No Pin

N.C.=No Connection