

## DC-DC Converters ... Isolation » 15 Watt Wide

### Input DC to DC Converter ::

:: [D15] ::

[Specifications](#)   [Models List](#)   [Mechanical Drawing](#)

#### Features:

15 Watts DC/DC Converter  
 2:1 Input Range  
 Input Pi Filter  
 High Efficiency Up To 83%  
 Regulated Output  
 Metal Case  
 2" X 2" Package



#### Specifications:

[TOP](#)

Parameter	Description/SPEC.:
Input Voltage Range	12/24/48 VDC, 2:1/4:1 Range, See Table
Input Filter	Pi Type
Reverse Input Voltage Protection	Internal Shunt Diode, Use External Fuse
Output Voltage Accuracy	± 0.3% max.
Line Regulation	(HL-LL).....± 0.2% max.
R & N (20MHz BW)	(5V/12V).....100mVp-p (max.) (15V/24V).....120mVp-p (max.)
Switching Frequency	200KHz (min.)
Min. Load	Single.....None    Dual Out.....20% Each Output
Efficiency	See Model List
Short Circuit Protection	Continuous
Temperature Coefficient	±0.02% / ° C
I/O Isolation Voltage	1000VDC min.
Operating Temperature	-15 To +71° C (No Derating)
Storage Temperature	-55 To +100° C
Cooling	Free Air Convection
Case Material	Black Coated Metal With Non-Conductive Base

#### Model List:

[TOP](#)

No.	Model	Input	Output	Iomin	Iomax	Load Reg.	Power
1.	<a href="#">D15-11</a>	9-18 VDC	+5.00VDC	0.00mA	3000.00mA	± 0.20%	15.00(w)
2.	<a href="#">D15-12</a>	9-18 VDC	+12.00VDC	0.00mA	1250.00mA	± 0.20%	15.00(w)
3.	<a href="#">D15-13</a>	9-18 VDC	+15.00VDC	0.00mA	1000.00mA	± 0.20%	15.00(w)

4.	<u>D15-14</u>	9-18 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	1500.00mA 1500.00mA	±0.20% ±0.20%	15.00(w)
5.	<u>D15-15</u>	9-18 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	625.00mA 625.00mA	±0.20% ±0.20%	15.00(w)
6.	<u>D15-16</u>	9-18 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.20% ±0.20%	15.00(w)
7.	<u>D15-19</u>	9-18 VDC	+24.00VDC	0.00mA	625.00mA	±0.20%	15.00(w)
8.	<u>D15-21</u>	18-36 VDC	+5.00VDC	0.00mA	3000.00mA	±0.20%	15.00(w)
9.	<u>D15-22</u>	18-36 VDC	+12.00VDC	0.00mA	1250.00mA	±0.20%	15.00(w)
10.	<u>D15-23</u>	18-36 VDC	+15.00VDC	0.00mA	1000.00mA	±0.20%	15.00(w)
11.	<u>D15-24</u>	18-36 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	1500.00mA 1500.00mA	±0.20% ±0.20%	15.00(w)
12.	<u>D15-25</u>	18-36 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	625.00mA 625.00mA	±0.20% ±0.20%	15.00(w)
13.	<u>D15-26</u>	18-36 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.20% ±0.20%	15.00(w)
14.	<u>D15-29</u>	18-36 VDC	+24.00VDC	0.00mA	625.00mA	±0.20%	15.00(w)
15.	<u>D15-31</u>	36-72 VDC	+5.00VDC	0.00mA	3000.00mA	±0.20%	15.00(w)
16.	<u>D15-32</u>	36-72 VDC	+12.00VDC	0.00mA	1250.00mA	±0.20%	15.00(w)
17.	<u>D15-33</u>	36-72 VDC	+15.00VDC	0.00mA	1000.00mA	±0.20%	15.00(w)
18.	<u>D15-34</u>	36-72 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	1500.00mA 1500.00mA	±0.20% ±0.20%	15.00(w)
19.	<u>D15-35</u>	36-72 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	625.00mA 625.00mA	±0.20% ±0.20%	15.00(w)
20.	<u>D15-36</u>	36-72 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.20% ±0.20%	15.00(w)
21.	<u>D15-39</u>	36-72 VDC	+24.00VDC	0.00mA	625.00mA	±0.20%	15.00(w)
22.	<u>D15-41</u>	9-36 VDC	+5.00VDC	0.00mA	3000.00mA	±0.20%	15.00(w)
23.	<u>D15-42</u>	9-36 VDC	+12.00VDC	0.00mA	1250.00mA	±0.20%	15.00(w)
24.	<u>D15-43</u>	9-36 VDC	+15.00VDC	0.00mA	1000.00mA	±0.20%	15.00(w)
25.	<u>D15-44</u>	9-36 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	1500.00mA 1500.00mA	±0.20% ±0.20%	15.00(w)
26.	<u>D15-45</u>	9-36 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	625.00mA 625.00mA	±0.20% ±0.20%	15.00(w)
27.	<u>D15-46</u>	9-36 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.20% ±0.20%	15.00(w)
28.	<u>D15-51</u>	18-72 VDC	+5.00VDC	0.00mA	3000.00mA	±0.20%	15.00(w)
29.	<u>D15-52</u>	18-72 VDC	+12.00VDC	0.00mA	1250.00mA	±0.20%	15.00(w)

30.	<u>D15-53</u>	18-72 VDC	+15.00VDC	0.00mA	1000.00mA	±0.20%	15.00(w)
31.	<u>D15-54</u>	18-72 VDC	+5.00VDC -5.00VDC	0.00mA 0.00mA	1500.00mA 1500.00mA	±0.20% ±0.20%	15.00(w)
32.	<u>D15-55</u>	18-72 VDC	+12.00VDC -12.00VDC	0.00mA 0.00mA	625.00mA 625.00mA	±0.20% ±0.20%	15.00(w)
33.	<u>D15-56</u>	18-72 VDC	+15.00VDC -15.00VDC	0.00mA 0.00mA	500.00mA 500.00mA	±0.20% ±0.20%	15.00(w)

Remark:

[TOP](#)

1. Model#; D15-X9 available for 2:1 Input Range Only.

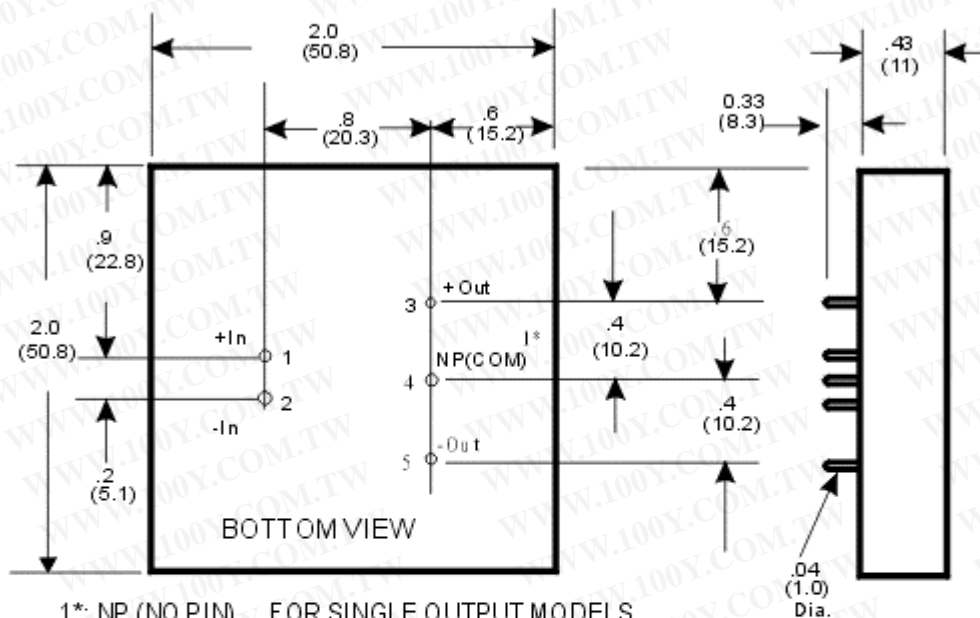
Other Informations:

[TOP](#)

Mechanism

## CASE GA

All Dimensions In Inches (mm)



1\*: NP (NO PIN) ... FOR SINGLE OUTPUT MODELS.  
(COM)FOR DUAL OUTPUT MODELS COMMON Gnd.

### Pin Connection

Singel Out	
Pin#	Function
1	+Vi
2	-Vi
3	+Vo
4	N.P
5	-Vo

Dual Out	
Pin#	Function
1	+Vi
2	-Vi
3	+Vo
4	Comm.
5	-Vo

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)