

Isolated DC-DC Converter

Typical Efficiency 80%

SC Protection (Auto Recover)

Low Ripple, Metal Case Shield

Broadband Noise Filter at Input



Input Characteristic

Default Input Voltage Range (2:1)

12V	9~18VDC
24V	18~36VDC
48V	36~72VDC
110V	80~170VDC
300V	200~400VDC

Wide Input Voltage Range (4:1)

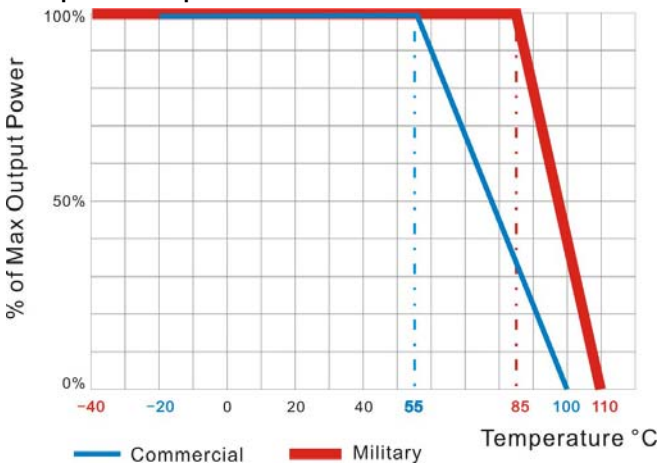
12V	10~36VDC
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Special: 500V 300~800VDC

Input Reverse Protection: No

Input Under Voltage Protection: Yes

Temperature performance:



Output Characteristic

Typical Efficiency:	80%
Ripple p-p:	1% of output voltage (MAX 400mV)
Load Regulation:	0.4%
Line Regulation :	0.2%
Dynamic response:	± 4.0/500us%
Short-circuit Protection:	yes
Start Time Delay:	≤200mS

Other info

Switching frequency: 180KHz ± 20 KHz

Operating temperature:

Industrial	-25°C ~ +55°C
Military	-40°C ~ +85°C

Max Allowed Case Temperature:

Industrial	100°C
Military	110°C

Storage Temperature:

Industrial	-40°C ~ +105°C
Military	-55°C ~ +120°C

Storage Humidity: 20~90%

Isolation Voltage:

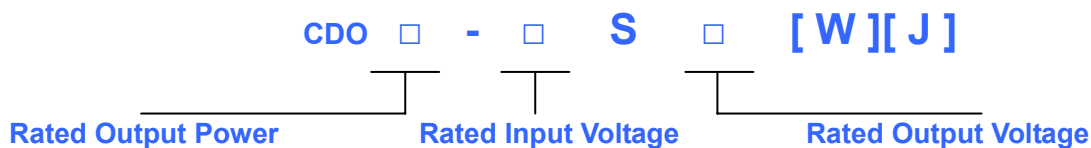
Input - Output	1500 VDC ≤ 0.5mA/1min *
Input - Case	1000Vdc ≤ 0.5mA/1min

MTBF: 200000Hrs

Case Material: Metal

Remote ON/OFF: Implement if needed

Ordering Information:

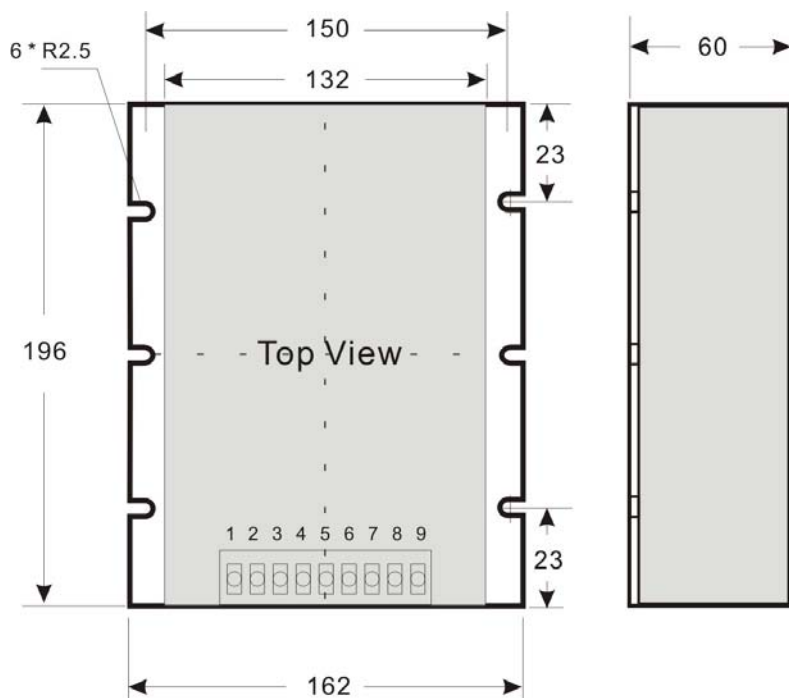


Note: S – Single Output D-Dual Outputs
 J – Military W - 4:1 input (Leave it empty for Industrial normal input range)

Example:

Input	Output	Max Output Current / Power	Model
12V (18~36VDC)	24V	15A (360W)	CDO360-12S24
24V (18~36VDC)	12V	30A (360W)	CDO360-24S12
24V (18~36VDC)	24V	15A (360W)	CDO360-24S24
12V (9~18VDC)	5V	60A (300W)	CDO300-12S05
500V (300~800VDC) W	24V	12.5A (300W)	CDO300-500S12W

Dimensions:



Pin	Single	Dual
1	Vin -	Vin -
2	Vin +	Vin -
3	-	-
4	Vout +	Vo1+
5	Vout +	Vo1+
6	Vout +	Vo1-
7	Vout -	Vo1-
8	Vout -	Vo2-
9	Vout -	Vo2+

Unit: mm