

Features

- Open frame package
- Remote On/Off
- Adjustable output voltages
- Operating Temperature:-40°C TO +65°C
- Efficiency up to 92%
- Non isolated, no need for heatsinks
- Short circuit protection



**NON-ISOLATED
DC/DC Converter**

Input Specifications

Input Voltage Range	:4.5~14Vdc	Input voltage must be at least 3.0V higher than output voltage
Input current no load	:30mA TYP.	

Output Specifications

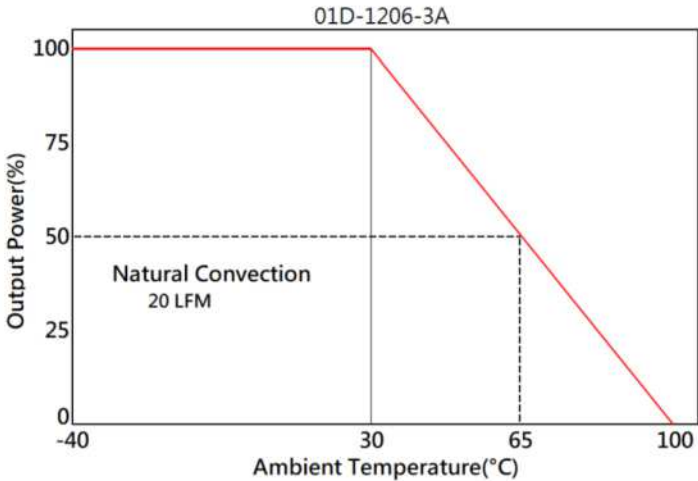
Output Voltage	:0.59Vdc~6Vdc	
Output Voltage Accuracy	: ±3%	@Vout=0.57~6.18@Vin=4.5~14Vdc
Output Current	:3000mA	
Efficiency	:92% TYP.	@Vout=3.3Vdc @Vin=12Vdc
Ripple / Noise	:150mVp-p MAX.	@20MHz Bandwidth
Short Circuit Protection	: Continuous	@automatics recovery
Line Regulation	: ±0.2% MAX.	@ LL to HL at Full Load
Load Regulation	: ±0.8% MAX.	@0% to 100% Load

General Specifications

Operating Temperature Range	: -40°C ~ +65°C (with derating)	Output load derate 1.07% per degree Celsius above 30°C as refer to temperature derating graph.
Storage Temperature	: -55°C ~ +125°C	
Switching Frequency	:300KHz TYP.	
Humidity	:95% MAX.	
Cooling	: Natural Convection	@20LFM
MTBF	:>4.4 x 10 ⁶ Hours @25°C	MIL-HDBK-217F@25°C, Ground Benign.
Weight	:2.0g TYP.	

Temperature Derating Graph

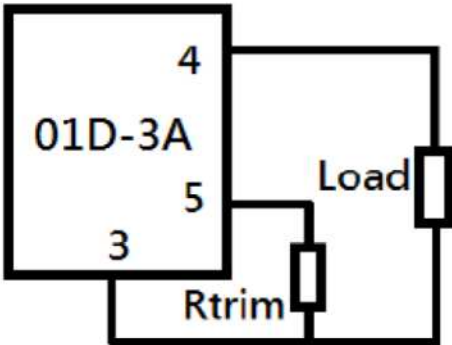
Part Number



01D — 12 06 — 3A
A B C D

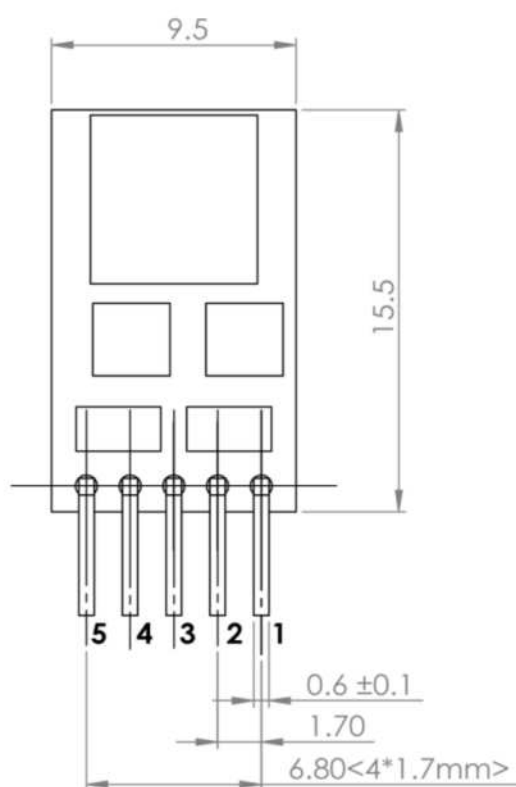
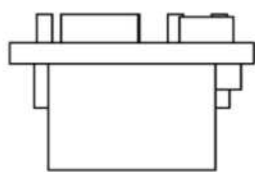
A: Series
B: Input Voltage
C: Maximum Output Voltage
D: Output Current

Trim Applications

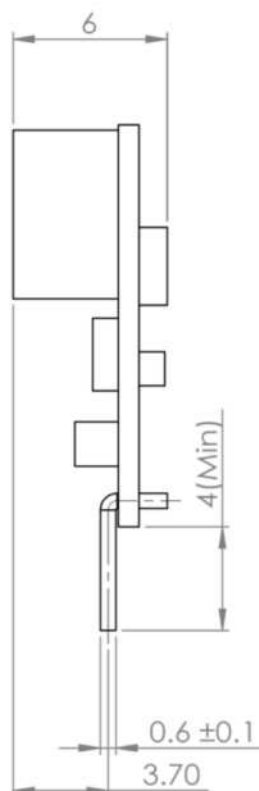


Part Number	R trim [KΩ]
01D-1206-3A	1.18/(Vo-0.59)

Outline Dimensions



BOTTOM VIEW



SIDE VIEW

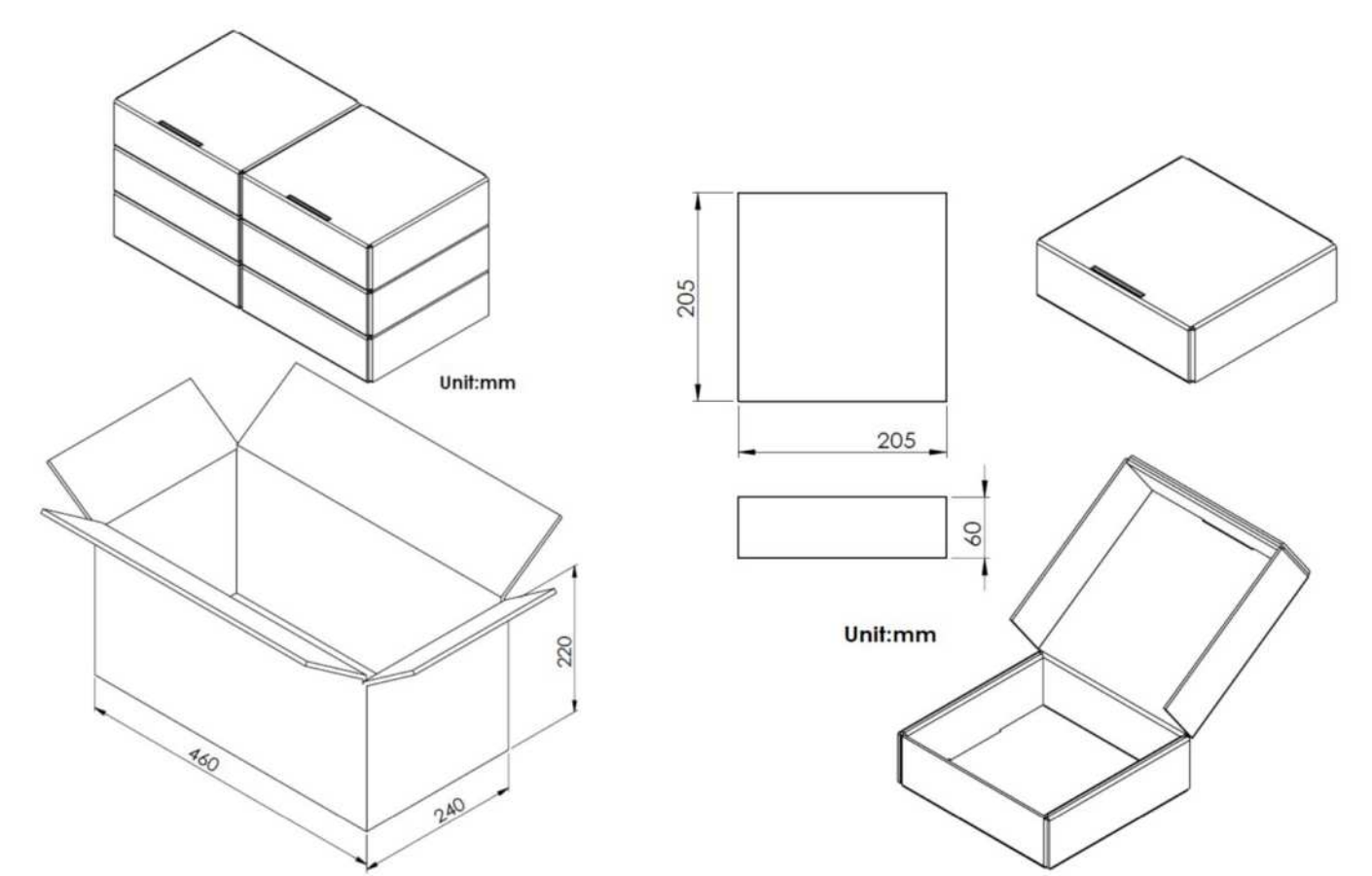
Unit : mm

Tolerance : $XX.X \pm 0.5$, $XX.XX \pm 0.25$

PIN Assignment

PIN	1	2	3	4	5
FUNCTION	Remote On/Off	+Vin	GND	+Vout	Trim

Packing Formation



Small BOX	450 pcs (max)
BOX	2700 pcs (max)
Weight	2 grams/pcs
Total Weight	7.43 KG/BOX (max)