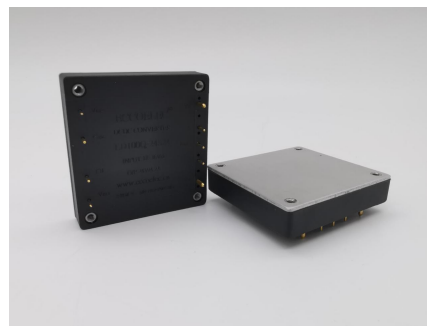


FEATURES:

- Wide input range
- Continuous short-circuit protection, self recover
- I/O isolation voltage 2250V
- Working temperature: -40℃~+85℃
- No additional components required
- Stable performance and high reliability (MTBF≥500K hours)
- Industry standard pin-out
- Industry standard 1/2 brick package



Selection Guide

Part No.	INPUT		OUTPUT				CapacitiveLoad(μF)
	Normalal (Vdc)	Range (Vdc)	Voltage (V1dc)	current (A)	Voltage (V2dc)	current (A)	
					CTRL		
LD350Q-36S12	36	18-75	12	29.2	negative or positive		Negative, P/N with N
LD350Q-36S24			24	14.6	negative or positive		Negative, P/N with N
LD350Q-36S28			28	12.5	negative or positive		Negative, P/N with N

customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range		Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
		18-75	36	75
Input Filter		Capacitive Filter		
Ctrl		NONE		
		NONE		
Hot Plug		Unavailable		
CTRL Pin	ON	Ctrl pin -Vin or pulled low(0-1.2VDC)		
	OFF	Ctrl pin open or pulled high TTL (3.3-12VDC)		
		Input current when off:10mA(typ),20mA(max)		

Output Specifications

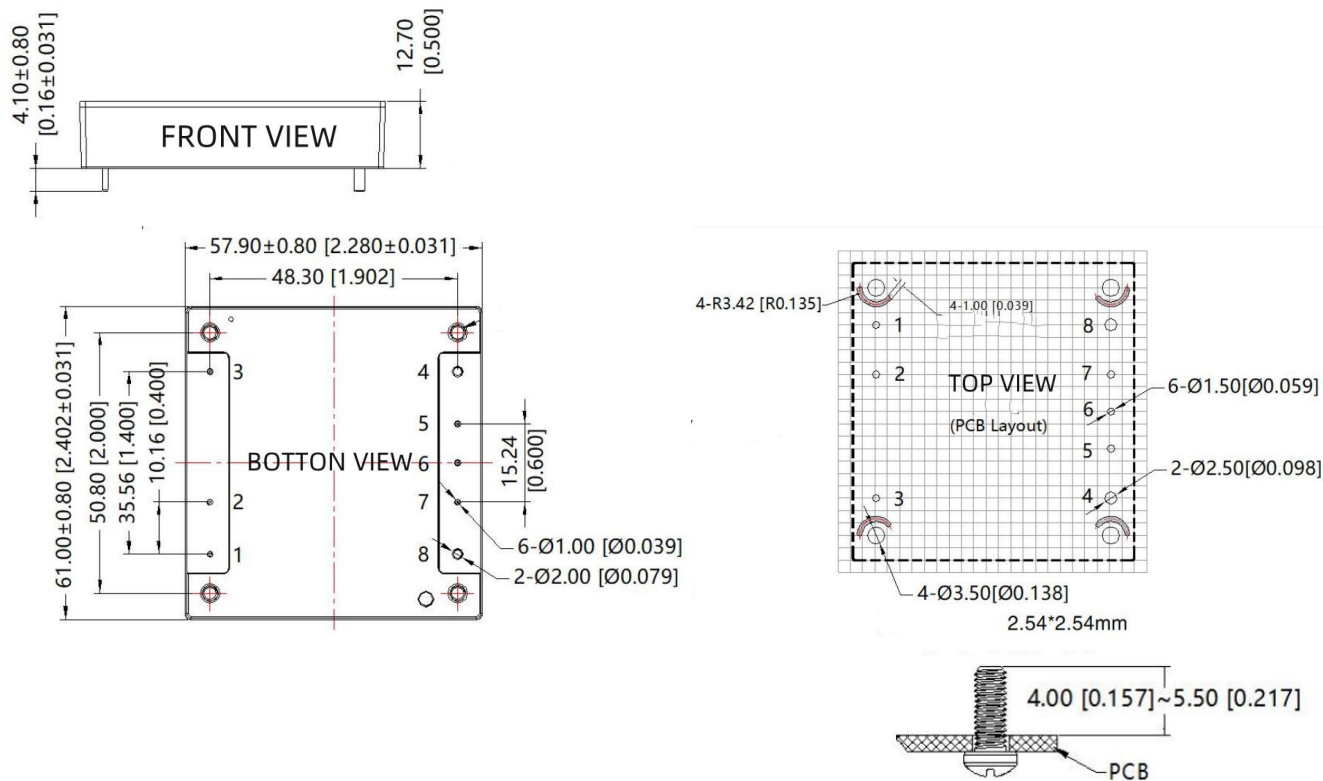
Item	Min	Typ	Max	Test Conditions
Voltage Accuracy		±1%	±3%	
Line Regulation		±0.2%	±0.5%	
Load Regulation		±0.5%	±0.75%	
TRIM Range	90-110%Vo			
Temperature Regulation		±0.03%/℃		
Over Current Protect	110%Io	-	160%%Io	
Over Voltage Protect	110%Vo	-	140%Vo	
Over Temperature Protect	-	110℃	-	
Short Circuit Protect	Continuous, self-recovery			
Dynamic Response	-	300uS(typ)		-

General Specifications

Isolation Resistor	20M Ω	Input-Output
Isolation Voltage	2250VDC	Input-Output
	2250VDC	Input-Case
	2250VDC	Output-Case
Switching Frequency	280KHz	Mil HDBK 217F Tc=25℃
MTBF	500K Hrs	
Case Temperature	-40~+100℃	
Storage Temperature	-55~+125℃	
Relative Humidity	10%-90%RH	
Pin Solder Temperature	300℃	Soldering spot is 1.5mm away from case for 10 seconds
Hand Soldering Time	5s	Iron Temperature 425 ℃
Vibration		Sine, 10Hz-55Hz, amplitude 0.35mm, X, Y, Z three directions 30min each
Shock		Half-sine, peak acceleration is 300m/s ² , standard pulse duration is 6ms, X, Y, Z three 6 consecutive shocks in each direction;
Weight	200g (Typ)	

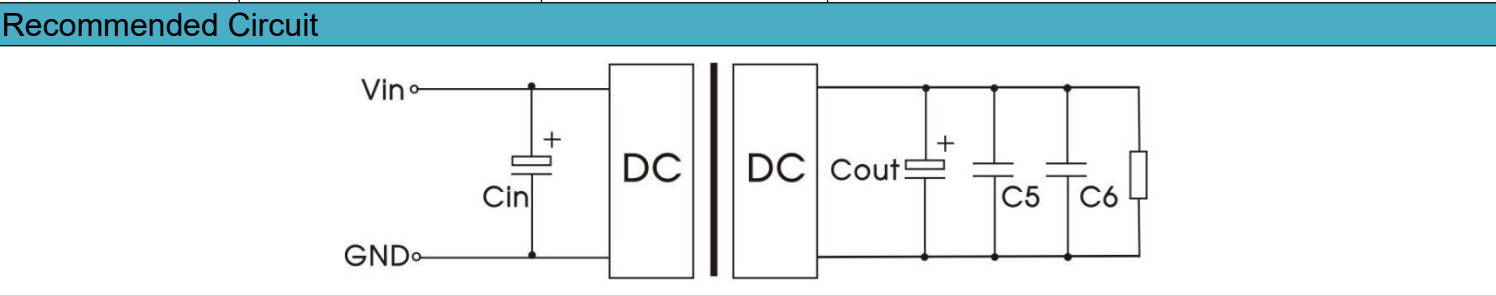
**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.

Dimensions and Recommended Layout



Unit:mm(inch)

Pins			
Pin-Out	Mark		
1	+Vin	5	Sense-
2	CTRL	6	TRIM
3	-Vin	7	Sense+
4	-Vo	8	+Vo



Vout (VDC)	Cin	Cout	C5	C6
12	220 μ F/ 100V	470 μ F/50V	1 μ F/25V	10 μ F/25V
15				
24			1 μ F/50V	10 μ F/50V
28				

The final interpretation right of the product belongs to ECCO ELECTRONICS