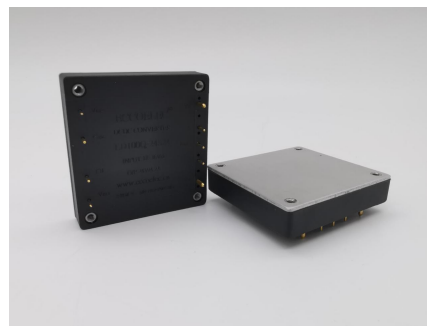


FEATURES:

- Wide input range
- Continuous short-circuit protection, self recover
- I/O isolation voltage 1.5KV
- Working temperature: $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- No additional components required
- Stable performance and high reliability (MTBF $\geq 1000\text{K}$ 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)	
LD300Q-24S12	24	20-36	12	25			
LD300Q-24S24			24	12.5			
LD300Q-24S28			28	10.7			
LD300Q-24S32			32	9.4			

customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range		Input Voltage Range (Vdc)	Nom(Vdc)	Max (Vdc)
		20-36	24	36
Input Filter		Capacitive Filter		
Ctrl		NONE		
		NONE		
Hot Plug		Unavailable		
ON/OFF	ON	Ctrl pin -Vin or pulled low(0-1.2VDC)		
	OFF	Ctrl pin open or pulled high TTL (3.5-12VDC)		
		Input current when off:6mA(typ),10mA(max)		

Output Specifications

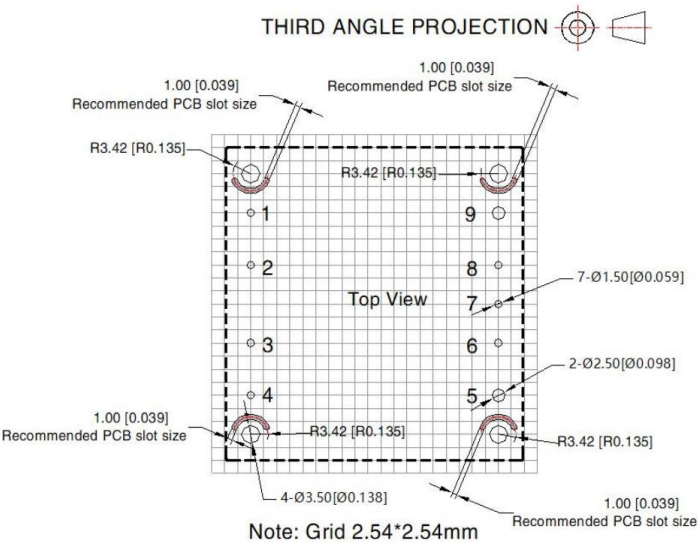
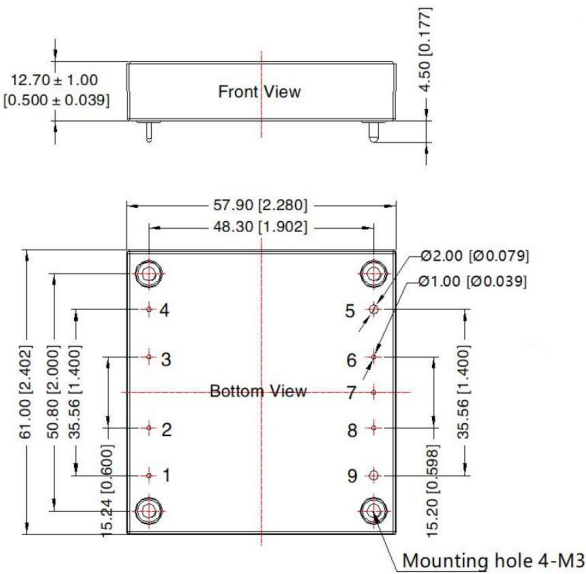
Item	Min	Typ	Max	Test Conditions
Voltage Accuracy	-	$\pm 1\%$	$\pm 3\%$	
Line Regulation	-	$\pm 0.2\%$	$\pm 0.5\%$	
Load Regulation	-	$\pm 0.5\%$	$\pm 1\%$	
TRIM Range	60%	-	110%	
Temperature Regulation		$\pm 0.02\%/^{\circ}\text{C}$		
Over Current Protect	110%Io	-	190%Io	
Over Voltage Protect	-	-	-	Hiccup
Over Temperature Protect	-	-	125%	
Short Circuit Protect	Continuous, self-recovery			
Dynamic Response	-	300uS(typ)	-	

General Specifications

Isolation Resistor	1000MΩ	Input-Output
Isolation Voltage	1500VDC	Input-Output
	1000VDC	Input-Case
	500VDC	Output-Case
Switching Frequency	270KHz	Mil HDBK 217F Tc=25℃
MTBF	1000K 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
Weight	80g (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



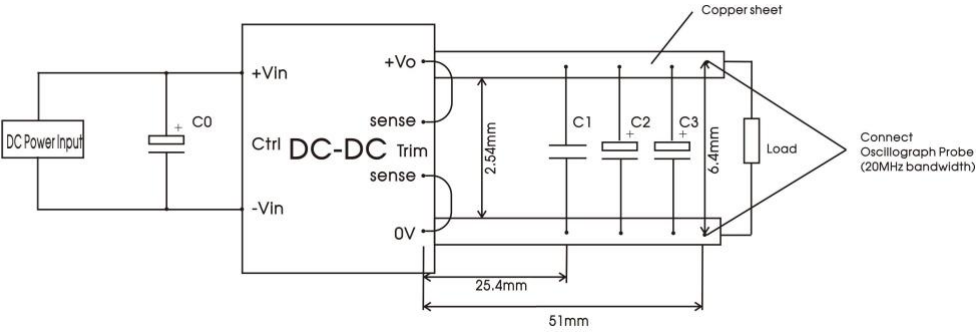
Note:
Unit: mm[inch]
Pin1,2,3,4,6,7,8's diameter: 1.00[0.039]
Pin5,9's diameter: 2.00[0.079]
Pin diameter tolerances: ± 0.10[± 0.004]
General tolerances: ± 0.50[± 0.020]
Mounting hole screwing torque: Max 0.4 N.m

Pins

Pin-Out	Mark		
1	+Vin	6	Sense-
2	CTRL	7	TRIM

3	NC	8	Sense+
4	-Vin	9	+Vo
5	0V		

Recommended Circuit



Capacitor values Output voltage (VDC)	C0	C1	C2	C3
12	100μF/ 200V	1μF/25V	10μF/25V	330μF/25V
24		1μF/50V	10μF/50V	330μF/50V
28		1μF/50V	10μF/50V	330μF/50V
32		1μF/50V	10μF/50V	330μF/50V

The final interpretation right of the product belongs to ECCO ELECTRONICS