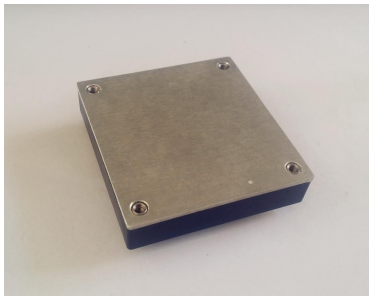
FEATURES：

- Wide input range
- Continuous short-circuit protection,self recover
- I/O isolation voltage 1.5KV
- Working temperature：-40℃～+100℃
- 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)
	Norminal (Vac)	Range (Vdc)	Voltage (V1dc)	current (A)	Voltage (V2dc)	current (A)	
LA750Q-220S28	220	175-265	28	26.8			

customized accepted,pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range（Vac）	Nom(Vac)	Max（Vac）
	175-265	220	305
Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		

Output Specifications

Item	Min	Typ	Max	Test Conditions
Voltage Accuracy	-	±2%	-	
Line Regulation	-	±0.5%	-	
Load Regulation	-	±1%	-	
TRIM Range	-	-	±10%	
Temperature Regulation	-	±0.02%/℃	-	
Over Current Protect	-	≥120%Io	-	
Over Voltage Protect				
Over Temperature Protect	105℃	-	115℃	
Short Circuit Protect	Continuous, self-recovery			

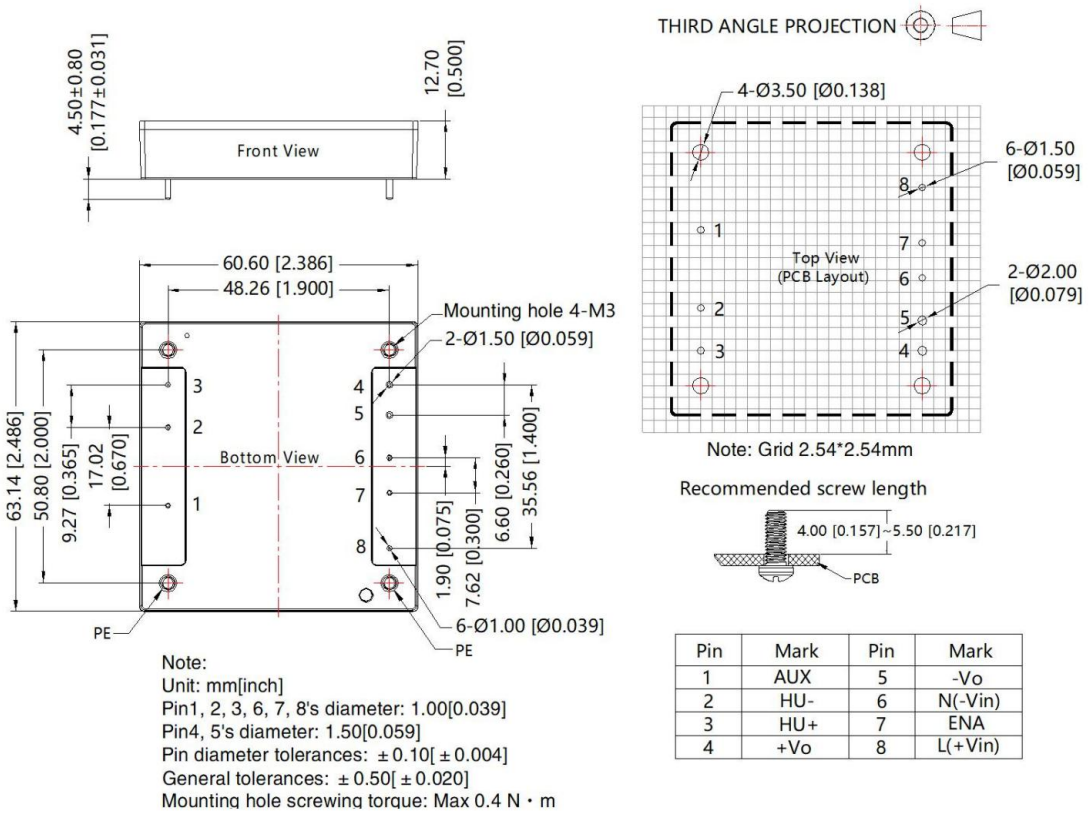
Gerneral Specifications

Isolation Resistor	100MΩ	Input-Output
Isolation Voltage	1500VDC	Input-Output
	500VDC	Input-PE
	500VDC	Output-PE

Switching Frequency	63KHz（typ）	Mil HDBK 217F Tc=25℃
MTBF	≥500K hours	
Case Temperature	-40~+100℃	
Storage Temperature	-40~+100℃	
Relative Humidity	10%-90%RH	
Pin Solder Temperature	260℃	Soldering spot is 1.5mm away from case for 10 seconds
Hand Soldering Time	5s	Iron Temperature 425 ℃
Weight	150g（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, 6, 7, 8's diameter: 1.00[0.039]
Pin4, 5's diameter: 1.50[0.059]
Pin diameter tolerances: ±0.10[±0.004]
General tolerances: ±0.50[±0.020]
Mounting hole screwing torque: Max 0.4 N・m

Pin	Mark	Pin	Mark
1	AUX	5	-Vo
2	HU-	6	N(-Vin)
3	HU+	7	ENA
4	+Vo	8	L(+Vin)

Note

1. The product should be used within the specified range; otherwise, it may cause permanent damage to the product.
2. If the product operates beyond its load range, it cannot be guaranteed that all performance indicators of the product comply with those in this manual.
3. Unless otherwise specified, all the above data were measured at Ta=25℃, humidity <75%, input nominal voltage and output rated load (pure resistance load).
4. The above are all performance indicators of the product models listed in this manual. Some indicators of non-standard models may exceed the above requirements. For specific situations, you can directly contact our technical personnel.

5. Product specification changes will not be notified separately. Please pay attention to the latest manual published on our company's official website.

*The final interpretation right of the product belongs to ECCO ELECTRONICS.