

FEATURES:

- Fixed voltage input,unregulated single/dual output,3W
- Continuous short-circuit protection,self recover
- I/O isolation voltage 6KV
- Working temperature: -40℃~+105℃
- No additional components required
- Stable performance and high reliability (MTBF≥3500K hours)
- Industry standard pin-out
- Flame-retardant case to meet UL94-V0 requirements
- SIP package



Selection Guide

Part No.	INPUT		OUTPUT			Full Load Efficiency (%)/Typ)	CapacitiveLoad(μF)
	Normal (Vdc)	Range (Vdc)	Voltage (Vdc)	Min current (mA)	Max current (mA)		
G0505S-3WR3	5	4.5-5.5	±5	±13	±250		
G0509S-3WR3			±9	±8	±167		
G0512S-3WR3			±12	±5	±104		
G0515S-3WR3			±15	±4	±83		
H0505S-3WR3			5	50	500		
H0512S-3WR3			12	25	250		
H0515S-3WR3			15	20	200		
G1205S-3WR3	12	10.8-13.2	±5	±13	±250		
G1209S-3WR3			±9	±8	±167		
G1212S-3WR3			±12	±5	±104		
G1215S-3WR3			±15	±4	±83		
H1205S-3WR3			5	50	500		
H1212S-3WR3			12	25	250		
H1215S-3WR3			15	20	200		
G1505S-3WR3	15	13.5-16.5	±5	±13	±250		
G1509S-3WR3			±9	±8	±167		
G1515S-3WR3			±15	±4	±83		
H1505S-3WR3			5	50	500		
H1515S-3WR3			15	20	200		
G2405S-3WR3	24	21.6-26.4	±5	±13	±250		
G2409S-3WR3			±9	±8	±167		
G2412S-3WR3			±12	±5	±104		
G2415S-3WR3			±15	±4	±83		
H2405S-3WR3			5	50	500		
H2412S-3WR3			12	25	250		
H2415S-3WR3			15	20	200		

customized accepted ,pls contact sales for details

Input Specifications

Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		

Output Specifications

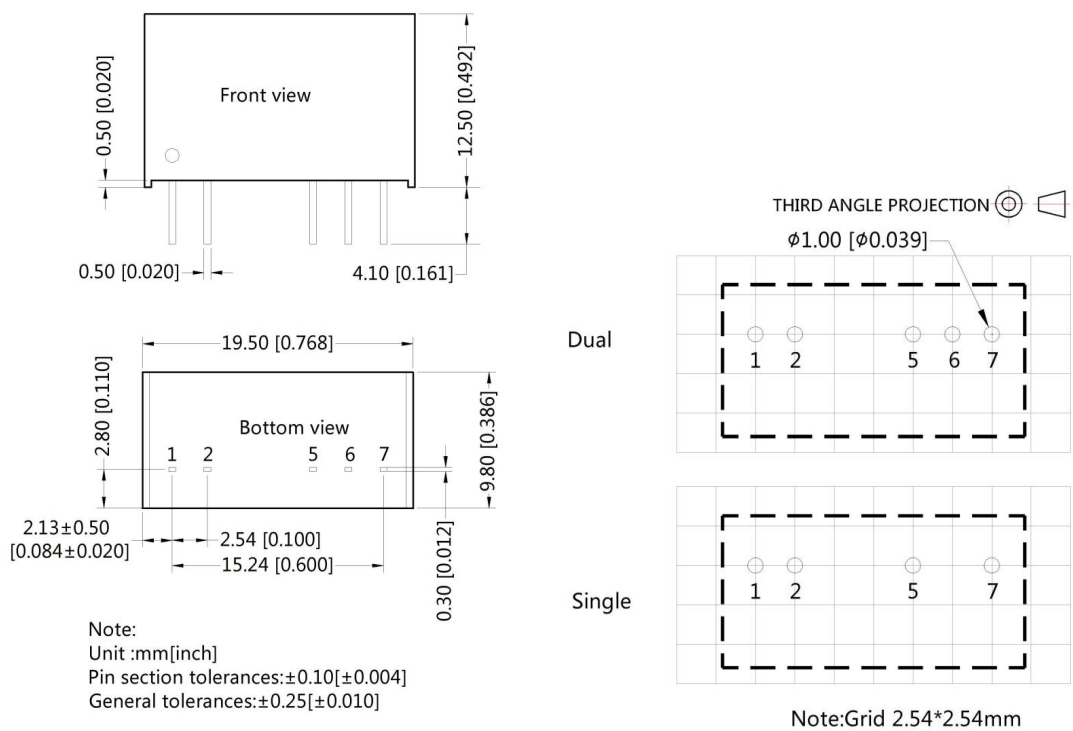
Item		Min	Typ	Max	Test Conditions
Voltage Accuracy		-	-	-	
Line Regulation		-	-	±1.2%	Input voltage ±1%
Load Regulation	3.3Vout	-	15%	-	10% to 100% full load
	5Vout	-	7%	-	
	9Vout	-	5%	-	
	12Vout	-	5%	-	
	15Vout	-	4%	-	
	24Vout	-	3%	-	
Ripple&Noise		-	50mVp-p	75mVp-p	20MHz Bandwidth, full load

General Specifications

Switching Frequency	250KHz(Typ)	100% full load, nominal input voltage
Short-Circuit Protection	Continuous, self-recovery	
Case Temperature Rise	25℃ (Typ)	
Temperature Coefficient	0.02%/℃	100% full load
Pin Soldering Resistance Temperature	300℃	Soldering spot is 1.5mm away from case for 10 seconds
Isolation (Input-Output)	6KVDC	Input-output electric strength test for 1 minute with a leakage current
Insulation Resistance (Input-Output)	1000MΩ	Input-output resistance 500Vdc
Operating Temperature	-40~+105℃	
Storage Temperature	-55~+125℃	
Storage Humidity	<95%RH	Non-condensing
Cooling Method	Free air convection	
Case Material	Black plastic; flame-retardant and heat-resistant (UL94 V-0)	
Weight	2.1g (Typ)	

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

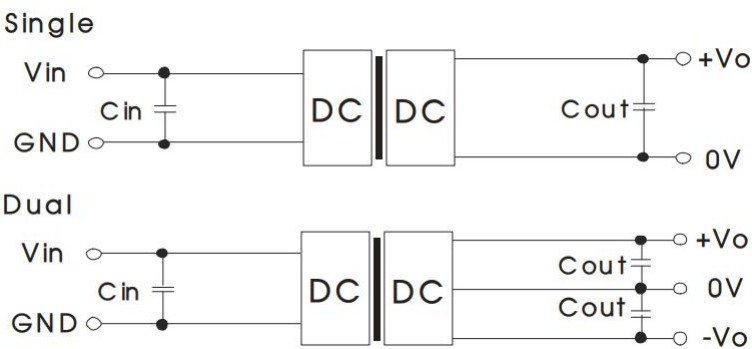
Dimensions and Recommended Layout



Pinout

Pin	Singe	Dual	
1	Vin	Vin	
2	GND	GND	
5	0V	-Vo	
6	No Pin	0V	
7	+Vo	+Vo	

Recommended Circuit



Recommended input and output capacitor values					
Vin	Cin	Single Vout	Cout	Dual Vout	Cout
5VDC	10uF	5VDC	10uF	±5VDC	4.7uF
12/15VDC	4.7uF	12VDC	2.2uF	±9VDC	2.2uF
24VDC	2.2uF	15VDC	1uF	±12/±15VDC	1uF

Noted

1. Input current: Ensure that the output current of the power supply meets the instantaneous starting current of the power module (that is, twice the average input current of the power module).
2. Output load requirements: Avoid no-load use. When the actual power consumption of the load is less than 10% of the rated output power of the module or no load occurs, connect an external resistance to the output end (the sum of the external resistance and the load power is greater than or equal to 10% of the rated load) or select a module with a smaller rated power.
3. The external capacitance of the output end should not be too large; otherwise, the module may be overcurrent or poorly started. For details, see the external capacitance recommendation table.
4. External LC filter circuit can be connected for occasions with high ripple noise requirements.

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