FEATURES：

- Fixed voltage input,unregulated single/dual output,1W
- 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)
	Norminal （Vdc）	Range （Vdc）	Voltage (Vdc)	Min current (mA)	Max current (mA)		
G0503S-1WR3	3.3	2.97-3.63	±3.3	15	152	75	1000
G0505S-1WR3			±5	10	100	80	1000
G0509S-1WR3			±9	6	56	80	470
G0512S-1WR3			±12	5	42	81	220
G0515S-1WR3			±15	4	34	82	220
H0503S-1WR3			3.3	31	303	75	2200
H0505S-1WR3			5	20	200	80	2200
H0509S-1WR3			9	11	111	80	1000
H0512S-1WR3			12	9	84	81	470
H0515S-1WR3			15	7	67	81	470
H0524S-1WR3			24	4	42	81	220
G1205S-1WR3			±5	10	100	79	1000
G1209S-1WR3	5	4.5-5.5	±9	6	56	79	470
G1212S-1WR3			±12	5	42	81	200
G1215S-1WR3			±15	4	34	81	200
H1203S-1WR3			3.3	31	303	76	2200
H1205S-1WR3			5	20	200	79	2200
H1209S-1WR3			9	11	111	81	680
H1212S-1WR3			12	9	84	83	470
H1215S-1WR3			15	7	67	83	470
H1224S-1WR3			24	4	42	82	220
G1505S-1WR3			±5	10	100	77	1000
G1512S-1WR3			±12	5	42	79	220
G1515S-1WR3			±15	4	34	79	220
G2405S-1WR3	12	10.8-13.2	±5	10	100	75	1000
G2409S-1WR3			±9	6	56	75	470
G2412S-1WR3			±12	5	42	76	220

G2415S-1WR3			±15	4	34	76	220
H2405S-1WR3			5	20	200	76	2200
H2409S-1WR3			9	11	111	76	680
H2412S-1WR3			12	9	84	76	470
H2415S-1WR3			15	7	67	76	470
H2424S-1WR3			24	4	42	76	220

customized accepted ,pls contact sales for details

Input Specifications

Input Filter	Capacitive Filter	
Ctrl	NONE	
	NONE	
Hot Plug	Unavailable	

Output Specifications

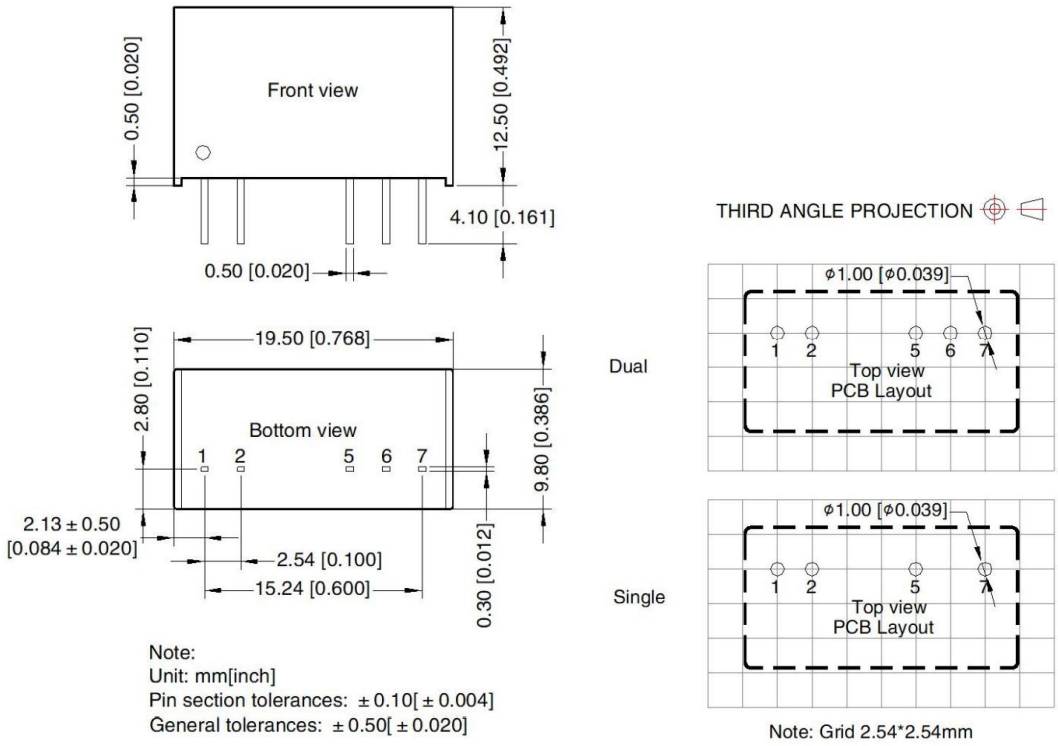
Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%	±3%	input voltage range and load
Line Regulation	±0.2%	±0.5%	Input voltage from low to high voltage, full load
Load Regulation	±0.5%	±1%	10% to 100% full load
Ripple&Noise	50mVp-p	150mVp-p	20MHz Bandwidth, full load

Gerneral Specifications

Switching Frequency	300KHz(Typ)	100% full load, nominal input voltage
Short-Circuit Protection	Continuous, self-recovery	
Case Temperature Rise	15℃（Typ）	
Temperature Coefficient	0.03%/℃	100% full load
Pin Soldering Resistance Temperature	300℃	Soldering spot is 1.5mm away from case for 10 seconds
Isolation（Input-Output）	1.5KVDC	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%	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.

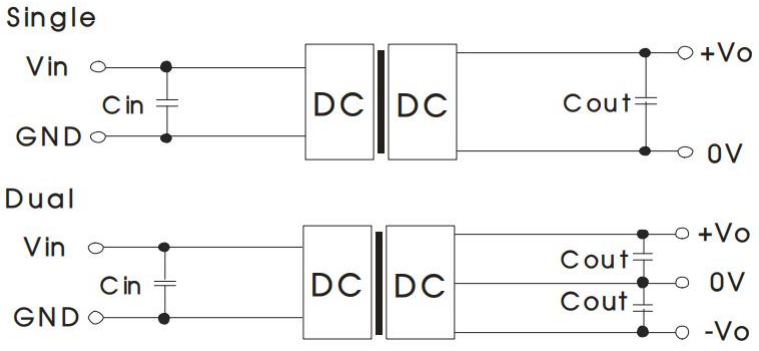
Dimensions and Recommended Layout



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/10VDC	3.3/5VDC	10uF/16V	±3.3VDC	4.7uF/16V
12VDC	10uF/25VDC	9VDC	10uF/16V	±5/±9VDC	4.7uF/16V

15VDC	1uF/25VDC	12VDC	2.2uF/25V	±12/±15VDC	1uF/25V
24VDC	2.2uF/50VDC	15VDC	1uF/25V	±24VDC	0.47uF/50V
-	-	24VDC	0.47uF/50V	-	-

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.