

CCG3-48-xxS

C294-01-01B

SPECIFICATIONS

ITEMS		MODEL	CCG3-48-03S	CCG3-48-05S	CCG3-48-12S	CCG3-48-15S
INPUT						
Input Voltage Range	VDC	18 - 76				
Efficiency (Typ)	(*1) %	77	80	82	83	
Input Current (Typ)	(*1) A	0.071	0.078	0.076	0.075	
OUTPUT						
Nominal Output Voltage	VDC	3.3	5	12	15	
Output Voltage Accuracy	(*1) %	±2				
Maximum Output Current	A	0.8	0.6	0.25	0.2	
Maximum Output Power	W	2.64	3	3	3	
Maximum Line Regulation	(*2) mV	20	20	48	60	
Maximum Load Regulation	(*3) mV	20	20	48	60	
Temperature Coefficient	-	0.02%/°C				
Maximum Ripple & Noise	(*4) mV	200	200	200	200	
Output Voltage Range	(*4) VDC	3.135 - 3.63	4.75 - 5.5	11.4 - 13.2	14.25 - 16.5	
Over Current Protection	(*5) -	105% min.				
Over Voltage Protection	-	None				
FUNCTION						
Remote ON/OFF Control	(*6) -	Possible				
Remote Sensing	-	None				
Parallel Operation	-	None				
Series Operation	(*6) -	Possible				
ENVIRONMENT						
Operating Temperature	(*7) -	-40°C - +100°C				
Storage Temperature	-	-55°C - +125°C				
Operating Humidity	-	5 - 95%RH (No Condensing)				
Storage Humidity	-	5 - 95%RH (No Condensing)				
Vibration	(*8) -	At No Operating, 10 - 55Hz (Sweep for 1min.) Amplitude 1.65 mm Constant (Maximum 98m/s ²), X,Y,Z 1 hour each				
Shock	(*8) -	490.3m/s ²				
Cooling	-	Convection Cooling / Forced Air Cooling				
ISOLATION						
Withstand Voltage	(*9) -	Input - Output : 1.5kVDC (20mA) 1min. or 1.0kVAC (20mA) 1min.				
Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH, Input - Output 500VDC				
STANDARD AND COMPLIANCE						
Safety	-	Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,000m)				
MECHANICAL						
Weight (Typ.)	g	3				
Size (W x H x D)	mm	15.7 x 11.5 x 10.4 (Refer to Outline Drawing)				

*Read Instruction Manual carefully, before using the power supply unit.

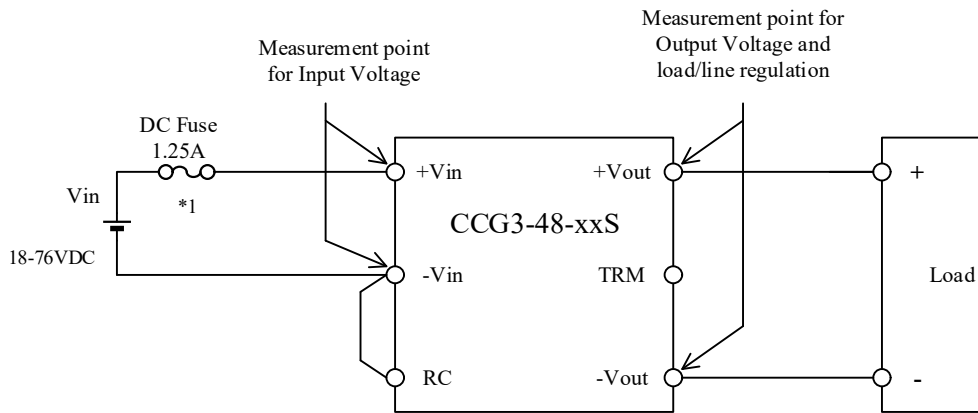
=NOTES=

- *1. At 48VDC input voltage and maximum output current. (Ambient Temperature = +25°C.)
- *2. 18 - 76VDC input voltage, constant load.
- *3. No Load - Full Load, constant input voltage.
- *4. External components are needed for operation. (Refer to Instruction Manual.)
- *5. OCP TYPE : Hiccup, Automatic recovery.
- *6. Refer to Instruction Manual.
- *7. Rating - Refer to Output Derating Curve in Instruction Manual.
- *8. The result is evaluated by TDK-Lambda standard measurement conditions.
The final equipment should be evaluated to meet its requirements.
- *9. This specification applies to power supply module as stand-alone.

CCG3-48-xxS

C294-01-02A

BASIC CONNECTION



*Read instruction manual carefully, before using the power supply unit.

==NOTES==

- *1. Use an external DC fuse for each unit.