CCG10-12-xxD

C307-01-01C

SPECIFICATIONS

ITEMS \ MODEL			CCG10-12-12D	CCG10-12-15D
INPUT				
Input Voltage Range		VDC	4.5 - 18	
Efficiency (Typ)	(*1)	%	89	90
Input Current (Typ)	(*1)	A	0.944	0.944
OUTPUT				
Nominal Output Voltage		VDC	±12	±15
Output Voltage Accuracy	(*1)	%	±2	
Maximum Output Current		A	0.42	0.34
Maximum Output Power		W	10.08	10.2
Maximum Line Regulation	(*2)	mV	60	75
Maximum Load Regulation	(*3)	mV	120	150
Maximum Load Regulation	(*10)	mV	480	600
Temperature Coefficient		-	0.02%/°C	
Maximum Ripple & Noise	(*4)	mV	120	120
Output Voltage Range		-	Fixed	
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 - +90°C	
Storage Temperature		-	-55°C - +125°C	
Operating Humidity		-	5 - 95%RH (Non Condensing)	
Storage Humidity		-	5 - 95%RH (Non 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	4	
Size (W x H x D)		mm	DIP : 19.0 x 11.5 x 12.4 / SMD : 19.0 x 11.8 x 12.4 (Refer to Outline Drawing)	

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

=NOTES=

*1. At 12VDC input voltage and maximum output current. (Ambient Temperature = +25°C.)

*2. 4.5 - 18VDC input voltage, constant load.

*3. No Load - Full Load, constant input voltage. (Balanced load)

*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 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.

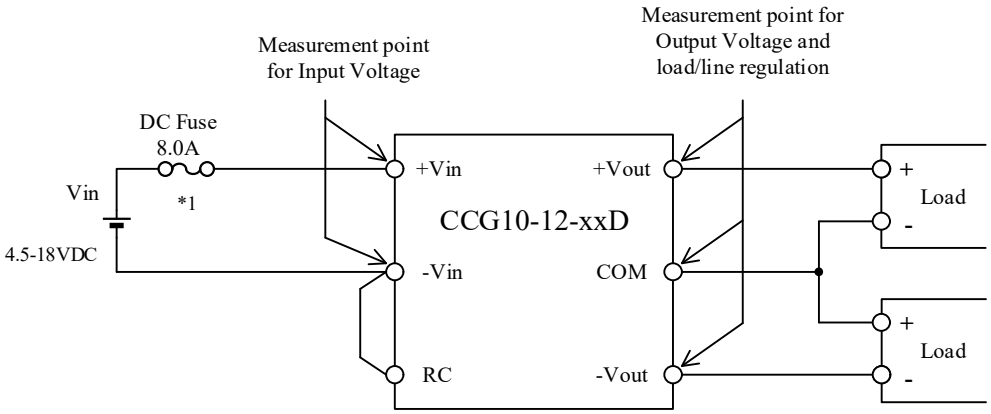
*9. This specification applies to power supply module as stand-alone.

*10. One side fixed Full Load, the other side 20% - Full Load, Constant input voltage. (Asymmetrical load)

CCG10-12-xxD

C307-01-02

BASIC CONNECTION



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

==NOTES==

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