CCG3-12-xxSxC

C292-01-01/C-A

SPECIFICATIONS (1/2)

ITEMS \ MODEL			CCG3-12-03SxC	CCG3-12-05SxC	CCG3-12-12SxC	CCG3-12-15SxC
INPUT						
Input Voltage Range		VDC	4.5 - 18			
Efficiency (Typ)	(*1)	%	78	81	83	85
Input Current (Typ)	(*1)	A	0.282	0.309	0.301	0.294
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 (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	3			
Size (W x H x D)		mm	DIP : 15.7 x 11.5 x 10.4 / SMD : 15.7 x 11.8 x 10.4 (Refer to Outline Drawing)			
OTHERS						
Coating	(*10)	-	Coating on both sides of PCB			

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SPECIFICATIONS (2/2)

*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.
*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.
*10. This product is with coating on both sides of PCB that is objective to improve resistance against humidity and dust.
The coating is not to prevent moisture absorption and dust ingress completely
since there is non coating area such as the shadowed part of component.