CCG1R5-12-xxDxC

C289-01-01/C-A

SPECIFICATIONS (1/2)

ITEMS \ MODEL			CCG1R5-12-12DxC	CCG1R5-12-15DxC
INPUT				
Input Voltage Range		VDC	4.5 - 18	
Efficiency (Typ)	(*1)	%	78	78
Input Current (Typ)	(*1)	A	0.167	0.160
OUTPUT				
Nominal Output Voltage		VDC	±12	±15
Output Voltage Accuracy	(*1)	%	±2	
Maximum Output Current		A	0.065	0.05
Maximum Output Power		W	1.56	1.5
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	200	200
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 - +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	(*11)	-	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. (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)
*11. 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.