CCG1R5-24-xxDxC

C290-01-01/C-A

SPECIFICATIONS (1/2)

| INPUT | MODEL | | | CCG1R5-24-12DxC | CCG1R5-24-15DxC | |
|--|-------------------------|--------------------|--------------|---|-----------------|--|
| Input Voltage Range | | | | | | |
| Efficiency (Typ) | | | | 0.24 | | |
| Topic Current (Typ) | | | | | | |
| OUTPUT | | . , | - | | | |
| Nominal Output Voltage | | | А | 0.080 | 0.078 | |
| Output Voltage Accuracy | l - | | VDC | .12 | .15 | |
| Maximum Output Current A 0.065 0.05 | | | - | | | |
| Maximum Output Power W 1.56 1.5 | | | 1 | | | |
| Maximum Line Regulation | * | | | ***** | | |
| Maximum Load Regulation (*3) mV 120 150 | * | | 1 | | | |
| Maximum Load Regulation (*10) mV | | | | | | |
| Temperature Coefficient | | | _ | | | |
| Maximum Ripple & Noise | | | | | | |
| 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 - - At No Operating, 10 - 55Hz (Sweep for Imin.) Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Shock (*8) - Convection Cooling / Forced Air Cooling ISOLATION Withstand Voltage (*9) - Input - Output : 1.5kVDC (20mA) Imin. or 1.0kVAC (20mA) Imin. Isolation Resistance | | | | | | |
| 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 - At No Operating, 10 - 55Hz (Sweep for Imin.) Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Shock (*8) - Convection Cooling / Forced Air Cooling ISOLATION Withstand Voltage (*9) - Input - Output: 1.5kVDC (20mA) Imin. or 1.0kVAC (20mA) Imin. Isolation Resistance - Approv | | | mV | | | |
| Over Voltage Protection | | | | | | |
| FUNCTION Remote ON/OFF Control (*6) - Possible Remote Sensing - None Parallel Operation - None Possible | | ` / | | | | |
| 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 - -5°5°C + 125°C Operating Humidity - 5 - 95%RH (Non Condensing) Vibration (*8) - At No Operating, 10 - 55Hz (Sweep for Imin.) Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Shock (*8) - Convection Cooling / Forced Air Cooling ISOLATION Withstand Voltage (*9) - Input - Output : 1.5kVDC (20mA) Imin. or 1.0kVAC (20mA) Imin. Isolation Resistance - Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,000m) Safety - Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,000m) MECHANICAL Weight (Typ.) g Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,00 | | | - | None | | |
| Remote Sensing | | | | | | |
| Parallel Operation | | ` ` ` | | | | |
| Series Operation | | | - | | | |
| Departing Temperature | | | | | | |
| Operating Temperature | | | - | Possible | | |
| Storage Temperature | | | | | | |
| Operating Humidity | | | | | | |
| Storage Humidity | | | - | | | |
| Vibration (*8) - At No Operating, 10 - 55Hz (Sweep for 1min.) Amplitude 1.65 mm Constant (Maximum 98m/s²), X,Y,Z 1 hour each Shock (*8) - 490.3m/s² 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 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 | | Operating Humidity | | 5 - 95%RH (Non Condensing) | | |
| $\begin{tabular}{ c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $ | Storage Humidity | | - | | | |
| | Vibration | Vibration (*8) | | | | |
| 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 | | | | | | |
| | Shock | Shock (*8) | | 490.3m/s ² | | |
| $\begin{tabular}{ l l l l l l l l l l l l l l l l l l l$ | Cooling | | - | Convection Cooling / Forced Air Cooling | | |
| Isolation Resistance-More than 100MΩ at 25°C and 70%RH, Input - Output 500VDCSTANDARD AND COMPLIANCESafety-Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,000m)MECHANICALWeight (Typ.)g3Size (W x H x D)mmDIP: 15.7 x 11.5 x 10.4 / SMD: 15.7 x 11.8 x 10.4 (Refer to Outline Drawing)OTHERS | ISOLATION | | | | | |
| $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | Withstand Voltage | (*9) | - | | | |
| 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 | Isolation Resistance | | - | More than $100 M\Omega$ at $25^{\circ}C$ and $70\% RH$, Input - Output $500 VDC$ | | |
| 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 | STANDARD AND COMPLIANCE | | | | | |
| 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 | Safety | | - | Approved by IEC/EN/UL/CSA62368-1 (Altitude ≤ 5,000m) | | |
| 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 | MECHANICAL | | | | | |
| 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 | Weight (Typ.) | Weight (Typ.) | | 3 | | |
| | Size (W x H x D) | Size (W x H x D) | | DIP: 15.7 x 11.5 x 10.4 / SMD: 15.7 x 11.8 x 10.4 (Refer to Outline Drawing) | | |
| G | OTHERS | | | | | |
| Coating (*11) - Coating on both sides of PCB | Coating (*11) | | - | Coating on both sides of PCB | | |

C290-01-01/C-A

SPECIFICATIONS (2/2)

| *Read Instruction Manual carefully, before using the power supply unit. |
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| =NOTES= |
| *1. At 24VDC input voltage and maximum output current. (Ambient Temperature = +25°C.) |
| *2. 9 - 36VDC 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. |
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