常州市武进红光无线电有限公司
CHANGZHOU WUJIN HONGGUANG RADIO CO., LTD

GK70 series

■ Features

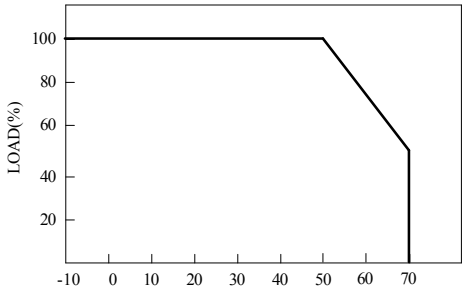
- Universal AC input/Full range
- Class I power
- Protections : Short Circuit/Over Load
- cooling by free air convection
- 100% full load burn-in test
- Approvals :
- 2 year warranty

SPECIFICATION

| Model | | GK70-05 | GK70-12 | GK70-15 | GK70-24 | GK70-36 | GK70-48 |
|---|---|---|---|---|---|---|---|
| Output | DC Voltage | 5V | 12V | 15V | 24V | 36 V | 48V |
| | Rated Current | 10.00A | 5.00A | 4.50A | 3.00A | 2.00A | 1.50A |
| | Current Range | 0-10.00A | 0-5.50A | 0-4.50A | 0-3.00A | 0-2.00A | 0-1.50A |
| | Rated Power | 50.0W | 66.0W | 67.5W | 72.0W | 72.0W | 72.0W |
| | Ripple & Noise | 75mVp-p | 120mVp-p | 150mVp-p | 240mVp-p | 300mVp-p | 300mVp-p |
| | Voltage ADJ. Range | 4.75-5.50V | 10.60-13.20V | 13.50-16.50V | 21.60-26.40V | 32.40-39.60V | 43.20-52.80V |
| | Voltage Tolerance | ±1.5% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | Line Regulation | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | Load Regulation | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| | Set up , rise time | 900ms, 60ms/230Vac at full load | | | | | |
| | Hold Time | 20ms/230Vac at full load | | | | | |
| Input | Voltage Range | 85~264Vac 120~370Vdc | | | | | |
| | Frequency Range | 47~63Hz | | | | | |
| | Efficiency | 72 75% 230Vac | 81% 230Vac | 82% 230Vac | 83% 230Vac | 84% 230Vac | 85% 230Vac |
| | AC current | 1.50A/115Vac 0.75A/230Vac | | | | | |
| | Inrush Current | Cold start 30A/115Vac 60A/230Vac | | | | | |
| | Leakage Current | <0.75mA 240Vac | | | | | |
| Protection | Over Load | 110%-150% rated output power | | | | | |
| | | Hiccup mode, recovers automatically after fault condition is removed . | | | | | |
| Environment | Working temp. | -10~ +60℃( refer to output derating curve ) | | | | | |
| | Working Humidity | 20~90%RH non-condensing | | | | | |
| | StorageTemp., umidity | -20~+85℃ ， 10-95% RH | | | | | |
| | Temp. Coefficient | ±0.03%/℃ (0~50℃) | | | | | |
| | Vibration | 10~500Hz, 2G 10min./1cycle , period for 60min , each along X, Y, Z axes | | | | | |
| Safety & EMC | Safety Standard | UL1012, ,UL60950-1 approved . | | | | | |
| | Withstand Voltage | I/P-O/P:3KVac , I/P-FG:1.5KVac, O/P-FG:0.5KVac | | | | | |
| | Isolation Resistance | I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500Vdc | | | | | |
| | EMIConduction& adiation | Compliance to EN55022 Class B | | | | | |
| | Harmonic Current | Compliance to EN61000-3-2,-3 | | | | | |
| | EMS Immunity | Compliance to EN61000-4-2,3,4,5 ,EN55024 | | | | | |
| Others | MTBF | 20,000hours min at 25℃ | | | | | |
| | Dimension | 119mm*98mm*40mm | | | | | |
| | Weight | 0.39KGS/PC | | | | | |

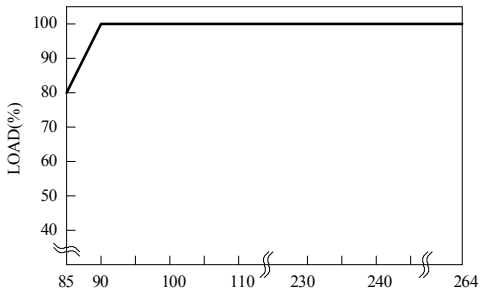
## ■ Derating Curve

Derating Curve




AMBIENT TEMPERATURE (!)

Output Derating VS Input Voltage




INPUT VOLTAGE (VAC) 60Hz