



























Applications

Oral irrigator



· Mobile clinical workstation

Medical computer monitor

· Portable hemodialysis machine





2 pole AC inlet IEC320-C8, Class II power unit

K60950-

- Medical safety approved (2 x MOPP) according to ANSI/AAMI ES60601-1/-1-11 and IEC/BS EN/EN60601-1/-1-11
- Extremely low leakage current
- No load power consumption<0.15W
- Energy efficiency level VI and meet CoC Version 5
- -30~+70°C wide range working temperature
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · LED indicator for power on
- Lifetime > 70K hours
- Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

GTIN CODE

· Breath Machine

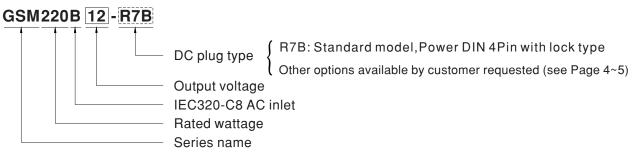
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

GSM220B is a highly reliable, 220W desktop style single-output green medical adaptor series. This product is equipped with a 2-pin (no FG) standard IEC320-C8 power plug, adopting the input range from 80VAC to 264VAC. The entire series supplies different output voltages between 12VDC and 48VDC that can satisfy the demands for various kinds of medical electrical devices. The circuitry design meets the international medical standards (2*MOPP), having an ultra low leakage current (<100 \(\mu A \)), fitting the medical devices in direct electrical contact with the patients.

With the efficiency up to 94.5% and the extremely low no-load power consumption below 0.15W, GSM220B is compliant with USA EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP, and meet Code of Conduct (CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock. GSM220B is approved with the international medical safety certificates.

Model Encoding

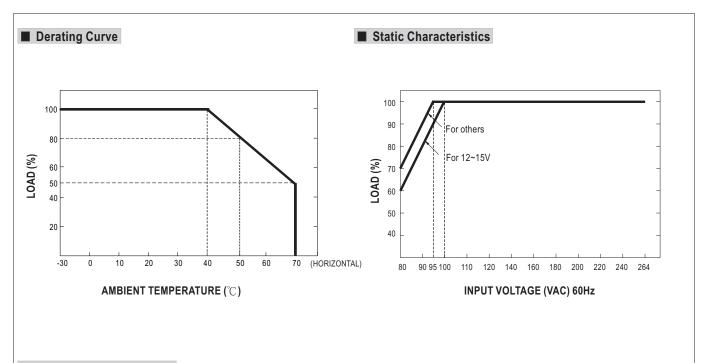




SPECIFICATION

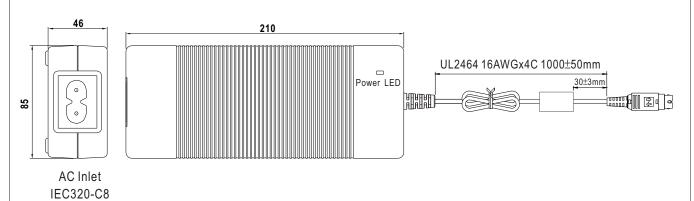
| | | GSM220B12-R7B | GSM220B15-R7B | GSM220B20-R7B | GSM220B24- | -R7B GSM220B48-R7B | | | |
|---------------------|--|--|--|--|--|---|--|--|--|
| | SAFETY MODEL NO. | GSM220B12 | GSM220B15 | GSM220B20 | GSM220B24 | GSM220B48 | | | |
| OUTPUT | DC VOLTAGE Note.2 | 12V | 15V | 20V | 24V | 48V | | | |
| | RATED CURRENT | 15A | 13.4A | 11A | 9.2A | 4.6A | | | |
| | CURRENT RANGE | 0 ~ 15A | 0 ~ 13.4A | 0 ~ 11A | 0 ~ 9.2A | 0 ~ 4.6A | | | |
| | RATED POWER (max.) | 180W | 201W | 220W | 221W | 221W | | | |
| | RIPPLE & NOISE (max.) Note.3 | | 80mVp-p | 120mVp-p | 120mVp-p | 150mVp-p | | | |
| | , , | | | | | - '' | | | |
| | VOLTAGE TOLERANCE Note.4 | | ±5.0% | ±4.0% | ±3.0% | ±2.0% | | | |
| | | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | | | |
| | LOAD REGULATION | ±5.0% | ±5.0% | ±4.0% | ±3.0% | ±2.0% | | | |
| | SETUP, RISE TIME Note.6 | 2000ms, 50ms / 230VAC 2000ms, 50ms / 115VAC at full load | | | | | | | |
| | HOLD UP TIME (Typ.) | 24ms / 230VAC 24ms / 115VAC at full load | | | | | | | |
| | VOLTAGE RANGE Note.7 | 80 ~ 264VAC 113 ~ 370VDC | | | | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | | | |
| | POWER FACTOR (Typ.) | PF>0.91 / 230VAC F | /AC PF>0.98 / 115VAC at full load | | | | | | |
| INPUT | EFFICIENCY (Typ.) | 90% | 90% | 0% 92% 93.5% 94.5% | | | | | |
| | AC CURRENT (Typ.) | 1A / 115VAC 2A / 230VAC | | | | | | | |
| | INRUSH CURRENT (max.) | Cold start 90A / 115VAC 110A / 230VAC | | | | | | | |
| | LEAKAGE CURRENT(max.) | Cold start 90A / 115VAC 110A / 230VAC Touch current < 100 \(\text{A} \) 264VAC | | | | | | | |
| | ELAKAGE GOKKENT(IIIax.) | 100cn current < 100 \(\text{A} \) 105 \(\text{A} \) 135% rated output power | | | | | | | |
| | OVERLOAD | Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | | | | | |
| PROTECTION | | | | | | | | | |
| . ACTEUTION | OVER VOLTAGE | | 105 ~ 135% rated output voltage | | | | | | |
| | OVER TEMPERATURE | Protection type: Shut down o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down | | | | | | | |
| | OVER TEMPERATURE | , , | • | alter temperature goes do | DWII | | | | |
| | WORKING TEMP. | , | -30 ~ +70°C (Refer to "Derating Curve") | | | | | | |
| | WORKING HUMIDITY | 20% ~ 90% RH non-cond | ensing | | | | | | |
| ENVIRONMENT | STORAGE TEMP., HUMIDITY | -40 ~ +85°C, 10 ~ 95% R | H non-condensing | | | | | | |
| | TEMP. COEFFICIENT | ±0.03% / °C (0~40°C) | • | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | |
| | OPERATING ALTITUDE Note.8 | | , ,, | <u> </u> | | | | | |
| | SAFETY STANDARDS | IEC60601-1/IEC60601-1-11, BS EN/EN60601-1/ BS EN/EN60601-1-11, ANSI/AAMI ES60601-1 / ES60601-1-11(3.1 version), | | | | | | | |
| | | CAN/CSA-C22.2 No. 60601-1:14 - Edition 3, EAC TP TC 004, KC K60950-1 (for GSM220B24 only) approved | | | | | | | |
| | ISOLATION LEVEL | Primary-Secondary: 2xMOPP | | | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P: 4KVAC | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | |
| | | Parameter Standard | | | Tes | Test Level / Note | | | |
| | EMC EMISSION | Canduated amineion | BS EN/E | N55011 (CISPR11), FCC P. | ART 15 / | Class B | | | |
| | | Conducted emission CISPR22, CAN ICES-3(B)/NN | | |)) | Class B | | | |
| | | Radiated emission BS EN/EN55011 (CISPR11), FCC PART 15 / | | | Class B | | | | |
| | | | | CISPR22, CAN ICES-3(B)/NMB-3(B) BS EN/EN61000-3-2 | | Close A | | | |
| SAFETY & | | Harmonic current | | | | Class A | | | |
| EMC | | Voltage flicker | | N61000-3-3 | | - | | | |
| (Note. 9) | | BS EN/EN60601-1-2, BS | | | | | | | |
| (Note. 9) | | Parameter | Standar | tandard | | Test Level / Note | | | |
| | | | | · | | | | | |
| | | ESD | BS EN/E | N61000-4-2 | Le | vel 4, 15KV air ; Level 4, 8KV conta | | | |
| | | RF field susceptibility | | · | Le Le | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) | | | |
| | | RF field susceptibility | BS EN/E | N61000-4-2 N61000-4-3 | Le Le Tal | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz | | | |
| | EMC IMMUNITY | RF field susceptibility EFT bursts | BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 | Le Le Tal | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV | | | |
| | EMC IMMUNITY | RF field susceptibility EFT bursts Surge susceptibility | BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 | Le Le Tal Le | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line | | | |
| | EMC IMMUNITY | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility | BS EN/E BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 | Le Le Le Le Le Le | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V | | | |
| | EMC IMMUNITY | RF field susceptibility EFT bursts Surge susceptibility | BS EN/E BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 | Le L | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m | | | |
| | EMC IMMUNITY | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility | BS EN/E BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 | Le L | vel 4, 15KV air; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period | | | |
| | | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption | BS EN/E BS EN/E BS EN/E BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| OTHERS | МТВГ | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te | BS EN/E BS EN/E BS EN/E BS EN/E BS EN/E BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 | Le L | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| OTHERS | MTBF DIMENSION | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) | BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| OTHERS | MTBF DIMENSION PACKING | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 | BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 N61000-4-11 core); 208.7K hrs min. | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| | MTBF DIMENSION PACKING PLUG | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type | BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 N61000-4-11 core); 208.7K hrs min. | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| | MTBF DIMENSION PACKING PLUG CABLE | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type See page 4~5; Other type | BS EN/E | N61000-4-2 N61000-4-3 N61000-4-4 N61000-4-5 N61000-4-6 N61000-4-8 N61000-4-11 core); 208.7K hrs min. | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type See page 4~5; Other type d at 230VAC input, rated ke | BS EN/E BS | in61000-4-2 in61000-4-3 in61000-4-4 in61000-4-5 in61000-4-6 in61000-4-8 in61000-4-11 core); 208.7K hrs min. | Lee | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| | MTBF DIMENSION PACKING PLUG CABLE | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4-5; Other type See page 4-5; Other type d at 230VAC input, rated kage set at point measure | BS EN/E BS | in61000-4-2 in61000-4-3 in61000-4-4 in61000-4-5 in61000-4-6 in61000-4-8 in61000-4-11 core); 208.7K hrs min. | Lee Lee Lee Lee Lee Lee Lee Lee Lee MIL-HDBK-2 | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| OTHERS CONNECTOR | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measur 4. Tolerance: includes set up | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type d at 230VAC input, rated le tage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, I | BS EN/E Clcordia SR-332 (Bell CUFT available by customer | in61000-4-2 in61000-4-3 in61000-4-4 in61000-4-5 in61000-4-6 in61000-4-8 in61000-4-11 core); 208.7K hrs min. | Lee Lee Lee Lee Lee Lee Lee Lee Lee MIL-HDBK-2 | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods | | | |
| CONNECTOR | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measure 4. Tolerance: includes set up 5. Line regulation is measured | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type d at 230VAC input, rated letage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, Id from low line to high line | BS EN/E CUFT available by customer available | iN61000-4-2 iN61000-4-3 iN61000-4-4 iN61000-4-5 iN61000-4-6 iN61000-4-8 iN61000-4-11 core) ; 208.7K hrs min. requested requested requested bient. 6 load. ied with a 0.1 μ F & 47 μ F | Le Le Le Le Le Le MIL-HDBK-2 | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods 17F (25°C) | | | |
| | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measure 4. Tolerance: includes set up 5. Line regulation is measure 6. Length of set up time is me | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4-5; Other type d at 230VAC input, rated letage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, I d from low line to high line teasured at first cold start. | BS EN/E BS | iN61000-4-2 iN61000-4-3 iN61000-4-4 iN61000-4-5 iN61000-4-6 iN61000-4-8 iN61000-4-11 core); 208.7K hrs min. requested requested bient. 6 load. led with a 0.1 μ F & 47 μ F over supply may lead to in | Le Le Le Le Le Le MIL-HDBK-2 | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods 17F (25°C) | | | |
| CONNECTOR | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measur 4. Tolerance: includes set up 5. Line regulation is measures 6. Length of set up time is me 7. Derating may be needed u | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type d at 230VAC input, rated le tage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, defrom low line to high line teasured at first cold start. Inder low input voltage. Ple | BS EN/E BS | iN61000-4-2 iN61000-4-3 iN61000-4-4 iN61000-4-5 iN61000-4-6 iN61000-4-8 iN61000-4-11 core); 208.7K hrs min. requested requested bient. 6 load. ited with a 0.1 μ F & 47 μ F ower supply may lead to in g curve for more details. | Le Le Le Le Le 100 100 MIL-HDBK-2 | vel 4, 15KV air ; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods 17F (25°C) | | | |
| CONNECTOR | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measur 4. Tolerance: includes set up 5. Line regulation is measures 6. Length of set up time is me 7. Derating may be needed u | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type See page 4~5; Other type d at 230VAC input, rated k tage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, in d from low line to high line easured at first cold start. Te ander low input voltage. Ple lerating of 3.5°C/1000m w | BS EN/E BY | in61000-4-2 in61000-4-3 in61000-4-3 in61000-4-5 in61000-4-6 in61000-4-6 in61000-4-11 core); 208.7K hrs min. requested requested bient. 6 load. ited with a 0.1 μ F & 47 μ F ower supply may lead to in a g curve for more details. of 5°C/1000m with fan mo | Lee | vel 4, 15KV air; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods 17F (25°C) up time. g altitude higher than 2000m(6500f | | | |
| CONNECTOR | MTBF DIMENSION PACKING PLUG CABLE 1. All parameters are specified 2. DC voltage: The output vol 3. Ripple & noise are measure 4. Tolerance: includes set up 15. Line regulation is measure 6. Length of set up time is me 7. Derating may be needed u 8. The ambient temperature of 19 to | RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 1953.3K hrs min. Te 210*85*46mm (L*W*H) 1.1Kg; 12pcs/14.2Kg/0.8 See page 4~5; Other type d at 230VAC input, rated le tage set at point measure ed at 20MHz by using a 1 tolerance, line regulation, I d from low line to high line tages are toold start. The casured at first cold start. Place of the cold of the col | BS EN/E Cordia SR-332 (Bell CUFT available by customer available by customer | in61000-4-2 in61000-4-3 in61000-4-4 in61000-4-5 in61000-4-6 in61000-4-6 in61000-4-11 core); 208.7K hrs min. requested requested bient. 6 load. ied with a 0.1 μ F & 47 μ F over supply may lead to in a grounce for more details. of 5°C/1000m with fan monent still need to re-confirm | Lee | vel 4, 15KV air; Level 4, 8KV conta vel 3, 10V/m(80MHz~2.7GHz) ble 9, 9~28V/m(385MHz~5.78GHz vel 3, 2KV vel 3, 1KV/Line-Line vel 3, 10V vel 4, 30A/m 0% dip 1 periods, 30% dip 25 period 0% interruptions 250 periods 17F (25°C) up time. g altitude higher than 2000m(6500f system complies with the | | | |





■ Mechanical Specification

Case No. 961A Unit:mm



■ DC output plug

O Standard plug: R7B

| | R7B | | Pin Assignmer | nt | |
|----------|--|--------------------------|---------------|-----------------|--------|
| | | | | PIN NO. | OUTPUT |
| m Him to | 2 3 0 0 1 4 KYCON KPPX-4P equivalent | | 1 | +V ₀ | |
| 1113 | | | 1 000 4 | 2 | -Vo |
| | | KYCON KPPX-4P equivalent | | 3 | -Vo |
| | | | | 4 | +Vo |



O DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- (2) Quick adapter accessory (sold separately without MOQ)

Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

| Tuning Fork Style | Type No. | A OD | B ID | C | Quick Adapter Accessory | |
|---|----------|----------------|----------------|------|-----------------------------|--|
| A C C C C C C C C C C C C C C C C C C C | P1J | 5.5 | 2.1 | 11.0 | Available for 48V | |
| (Straight) | P1M | 5.5 | 2.5 | 11.0 | (Current rating: 7.5A max.) | |
| Min. DIN 4 Din with Look (formula) | Type No. | Pin Assignment | | | | |
| Min. DIN 4 Pin with Lock (female) | | PIN No. | Output | | | |
| | | 1 | +\ | o' | None | |
| 23 14 Ganana | R7BF | 2 | -V |) | | |
| | IVIDI | 3 | -V |) | | |
| KYCON KPJX-CM-4S equivalent | | 4 | +\ | | | |
| DIN 5 Pin (male) | Type No. | Pin Assignment | | | | |
| Dily 31 iii (iiiale) | турстчо. | PIN No. | Outp | ut | | |
| | R1B | 1 | -V | 0 | | |
| | | 2 | -V |) | None | |
| 4 2 5 | | 3 | +\/ | O | | |
| | | 4 | -V | 0 | | |
| | | 5 | +Vo | | 1 | |
| NEUTRIK XLR NC4FX equivalent | Tuno No | Pin | Pin Assignment | | | |
| NEOTIVIK XEIV NO41 X equivalent | Type No. | PIN No. | Outp | ut | | |
| ↓ | MIC4 | 1 | +\/ | 0 | | |
| | | 2 | +\/ | 0 | None | |
| 30 80 | | 3 | -V | | | |
| | | 4 | -Ve | _ | | |
| MOLEX 39-01-2060 (4.2mm) equivalent | Type No. | Pin Assignment | | | | |
| mozex oo or zooo (1.2mm) oquivalent | | PIN No. | Outp | | | |
| | C6P | 1 | +\/ | | | |
| | | 2 | +\/ | | | |
| 450 | | 3 | +\ | | None | |
| 123 | | 4 | -V | | | |
| CO not connected to subsult connected | | 5 | -V | | | |
| FG not connected to output connector | | 6 | -V |) | | |



| AND 4 400700 0 (C 05) a minutest | Type No. | Pin Assignment | | Quick Adapter | |
|--|-------------|----------------|------------|---------------|--|
| AMP 1-480702-0 (6.35mm) equivalent | Type No. | PIN No. | Output | Accessory | |
| | C4P | 1 | +Vo | | |
| | | 2 | +Vo | None | |
| | | 3 | -Vo | None | |
| FG not connected to output connector | | 4 | -Vo | | |
| Stripped and tipped loads | Tuna Na | Pin | Assignment | | |
| Stripped and tinned leads | Type No. | PIN No. | Output | | |
| L (red,blue) 1 2 L1 (black,white) | by customer | 1 | +Vo | None | |
| Length of Land L1 by request (MW's standard length, L: 25 mm, L1: 5 mm) (NOTE: The wire color is for reference only, please refer to the actual product) | | 2 | -Vo | | |

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html