

PSF50-S SPECIFICATIONS



| MODEL | | PSF50-3R3 | PSF50-05 | PSF50-09 | PSF50-12 | PSF50-15 | PSF50-24 | PSF50-48 |
|-----------------------|--|---|---------------------------|----------|---------------------------|----------|----------|----------|
| INPUT | VOLTAGE, FREQUENCY | AC100-240V (AC85 ~ 264V or DC120 ~ 370V), 50/60Hz (47 ~ 63Hz) Universal Input Voltage. | | | | | | |
| | CURRENT [A] | 110V | 0.5(I _o =100%) | | 0.7(I _o =100%) | | | |
| | | 220V | 0.3(I _o =100%) | | 0.4(I _o =100%) | | | |
| | POWER FACTOR | 110V | 0.98 | | 0.99 | | | |
| | | 220V | 0.93 | | 0.95 | | | |
| EFFICIENCY [%] | 110V | 77 typ | 81 typ | 79 typ | 80 typ | 81 typ | 82 typ | 83 typ |
| | 220V | 78 typ | 82 typ | 81 typ | 82 typ | 83 typ | 84 typ | 85 typ |
| INRUSH CURRENT | | 20A typ(AC IN 110V, I _o =100%), 40A typ(AC IN 220V, I _o =100%) at cold start. | | | | | | |
| OUTPUT | VOLTAGE [V] | 3.3 | 5 | 9 | 12 | 15 | 24 | 48 |
| | CURRENT [A] | 10 | 10 | 5.6 | 4.3 | 3.5 | 2.2 | 1.1 |
| | REGULATION, LINE [mV] | 25 Max | 25 Max | 45 Max | 60 Max | 75 Max | 120 Max | 240 Max |
| | REGULATION, LOAD [mV] | 50 Max | 50 Max | 90 Max | 120 Max | 150 Max | 240 Max | 480 Max |
| | RIPPLE [mVp-p] | 80 Max | 80 Max | 90 Max | 120 Max | 150 Max | 200 Max | 480 Max |
| | RIPPLE, NOISE [mVp-p] | 120 Max | 120 Max | 140 Max | 170 Max | 200 Max | 290 Max | 530 Max |
| | TEMPERATURE DRIFT 0~+50°C [mV] | 50 Max | 75 Max | 135 Max | 180 Max | 225 Max | 360 Max | 720 Max |
| | RISE TIME [ms] | 500 Max (AC IN 85V, I _o =100%) | | | | | | |
| HOLDING TIME [ms] | 17 typ (AC IN 85V, I _o =100%) | | | | | | | |
| PROTECTION CIRCUIT | OVER CURRENT PROTECTION | Works at over 105% of rating and recovers automatically | | | | | | |
| | OVER VOLTAGE PROTECTION | Works at 115~140% of rating | | | | | | |
| ELECTRICALLY ISOLATED | INPUT-OUTPUT | AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity) | | | | | | |
| | INPUT-CASE, FG | AC 2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & Humidity) | | | | | | |
| | OUTPUT-CASE, FG | AC 500V 1 minute current 100mA, DC 500V 100MΩ (At room temperature & Humidity) | | | | | | |
| ENVIRONMENT | OPERATING TEMP AND HUMID | -10 ~ +70°C(Required Derating), 20 ~ 90% RH(Non Condensing) | | | | | | |
| | STORAGE TEMP AND HUMID | -20 ~ +75°C, 20 ~ 90% RH(Non Condensing) | | | | | | |
| | VIBRATION | 10 ~ 55Hz at 1G, 3 minutes period, 30 minutes along X, Y and Z axis | | | | | | |
| | IMPACT | 10G for 20ms, once on each X, Y and Z axis | | | | | | |
| SAFETY | SAFETY REGULATION | UL, C-UL, CE, CB | | | | | | |
| | LINE CONDUCTED RF VOLTAGE | Built to meet EN55022-B | | | | | | |
| | HARMONIC ATTENUATOR | Built to meet IEC61000-3-2 | | | | | | |

PSF50-S EXTERNAL VIEW

