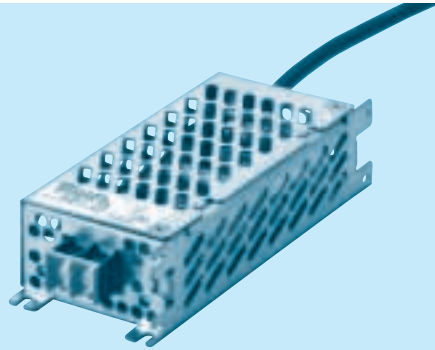


SPLFA30F

SPLF A 30 F - □ - □
 ① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage
- ⑥ Optional
- C : with Coating

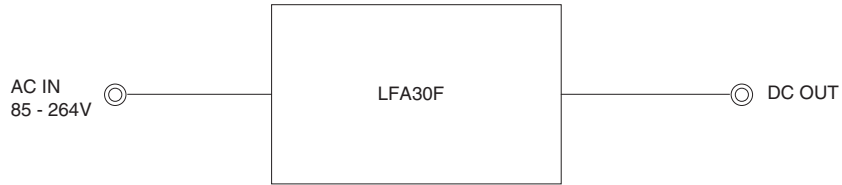
| MODEL | SPLFA30F-5 | SPLFA30F-12 | SPLFA30F-24 |
|-----------------------|------------|-------------|-------------|
| MAX OUTPUT WATTAGE[W] | 30.0 | 30.0 | 31.2 |
| DC OUTPUT | 5V 6A | 12V 2.5A | 24V 1.3A |

SPECIFICATIONS

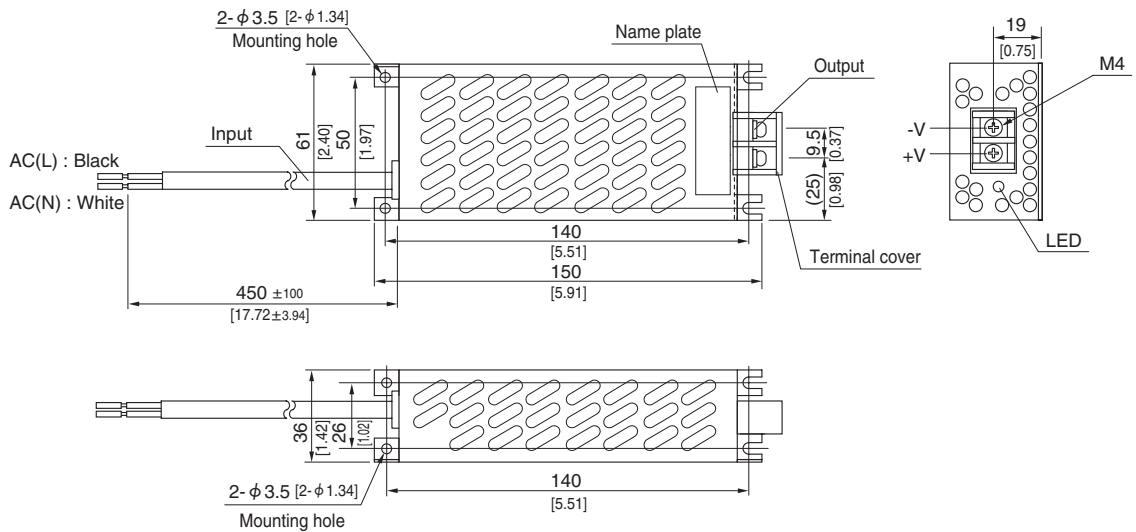
| | MODEL | SPLFA30F-5 | SPLFA30F-12 | SPLFA30F-24 | |
|-------------------------------|---|--|-------------------|----------------|---------|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ (Refer to Instruction Manual 1.1 and 3.1) *3 | | | |
| | CURRENT[A] | ACIN 100V | 0.65typ (Io=100%) | | |
| | | ACIN 200V | 0.35typ (Io=100%) | | |
| | FREQUENCY[Hz] | 50 / 60 (47 - 440) | | | |
| | EFFICIENCY[%] | ACIN 100V | 75.0typ | 78.0typ | 81.0typ |
| | | ACIN 200V | 77.0typ | 80.0typ | 83.0typ |
| INRUSH CURRENT[A] | ACIN 100V | 15typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| | ACIN 200V | 30typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| LEAKAGE CURRENT[mA] | 0.30 / 0.65max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) | | | | |
| OUTPUT | VOLTAGE[V] | 5 | 12 | 24 | |
| | CURRENT[A] | 6.0 | 2.5 | 1.3 | |
| | LINE REGULATION[mV] *5 | 20max | 48max | 96max | |
| | LOAD REGULATION[mV] *5 | 100max | 100max | 150max | |
| | RIPPLE[mVp-p] | 0 to +50°C *1 | 100max | 120max | 120max |
| | | -10 - 0°C *1 | 140max | 160max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +50°C *1 | 250max | 250max | 250max |
| | | -10 - 0°C *1 | 300max | 300max | 300max |
| | TEMPERATURE REGULATION[mV] | 0 to +50°C | 50max | 120max | 240max |
| | | -10 to +50°C | 60max | 150max | 290max |
| | DRIFT[mV] *2 | 20max | 48max | 96max | |
| | START-UP TIME[ms] | 150typ (ACIN 100V, Io=100%) | | | |
| | HOLD-UP TIME[ms] | 20typ (ACIN 100V, Io=100%) | | | |
| OUTPUT VOLTAGE SETTING[V] | 4.90 to 5.30 | 11.50 to 12.50 | 23.00 to 25.00 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | |
| | OVERVOLTAGE PROTECTION[V] | 5.75 to 7.00 | 13.80 to 16.80 | 27.60 to 33.60 | |
| | OPERATING INDICATION | LED (Green) | | | |
| | REMOTE SENSING | Not provided | | | |
| | REMOTE ON/OFF | Not provided | | | |
| ISOLATION | INPUT-OUTPUT | AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | INPUT-FG | AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | OUTPUT-FG | AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) | | | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3 | | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max | | | |
| | VIBRATION | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis | | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | | |
| SAFETY AND NOISE REGULATIONS | AGENCY APPROVALS | DEN-AN | | | |
| | CONDUCTED NOISE/POWER | Complies with DEN-AN | | | |
| | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 class A (Not built-in to active filter *4, Please contact us for the details of class C.) | | | |
| OTHERS | CASE SIZE/WEIGHT | 61 × 36 × 150mm [2.40 × 1.42 × 5.91 inches] (W × H × D) / 370g max | | | |
| | COOLING METHOD | Convection | | | |

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *3 Derating is required.
 *4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
 *5 Please contact us about dynamic load and input response.
 * To meet the specifications. Do not operate over-loaded condition.
 * Parallel operation is not possible.
 * Derating is required when operated with chassis and cover.
 * Sound noise may be generated by power supply in case of pulse load.

Block diagram



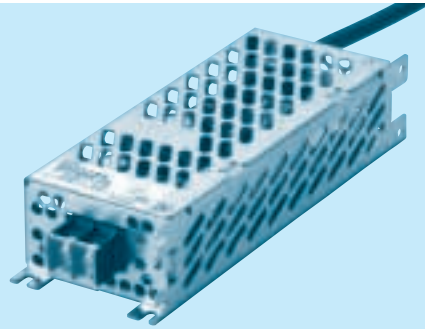
External view



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 370g max
- ※ PCB material/thickness : CEM3 / 1.6mm [0.06]
- ※ Chassis and cover material : Electric galvanizing steel board
- ※ Dimensions in mm, []=inches
- ※ Mounting torque : M4 : 1.6N · m (16.9kgf · cm) max
- ※ Input wire : VCTF 0.75sq X 2C

SPLFA50F

SPLF A 50 F - □ - □
 ① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage
- ⑥ Optional
- C : with Coating

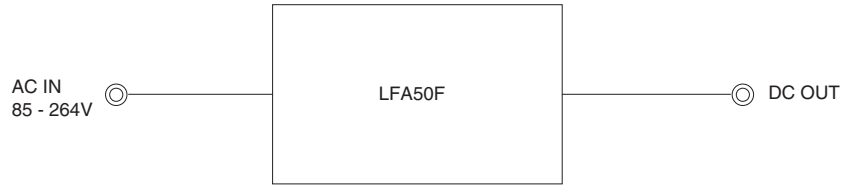
| MODEL | SPLFA50F-5 | SPLFA50F-12 | SPLFA50F-24 |
|-----------------------|------------|-------------|-------------|
| MAX OUTPUT WATTAGE[W] | 50 | 51.6 | 50.4 |
| DC OUTPUT | 5V 10A | 12V 4.3A | 24V 2.1A |

SPECIFICATIONS

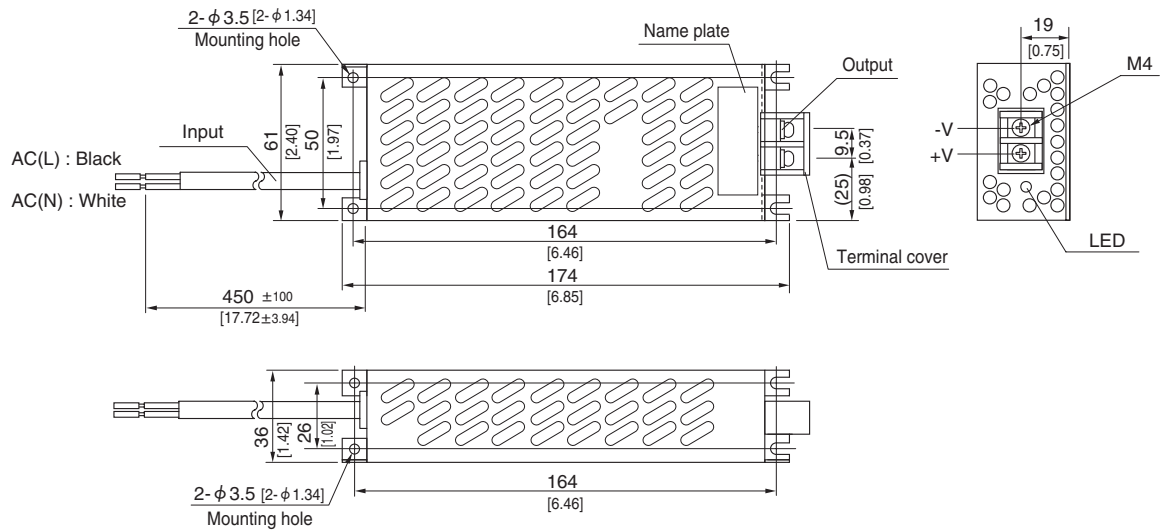
| | MODEL | SPLFA50F-5 | SPLFA50F-12 | SPLFA50F-24 | |
|-------------------------------|---|---|-------------------|----------------|---------|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ (Refer to Instruction Manual 1.1 and 3.1) *3 | | | |
| | CURRENT[A] | ACIN 100V | 0.67typ (Io=100%) | | |
| | | ACIN 200V | 0.36typ (Io=100%) | | |
| | FREQUENCY[Hz] | 50 / 60 (47 - 63) | | | |
| | EFFICIENCY[%] | ACIN 100V | 76.5typ | 79.0typ | 80.5typ |
| | | ACIN 200V | 78.0typ | 80.5typ | 82.0typ |
| | POWER FACTOR (Io=100%) | ACIN 100V | 0.97typ | | |
| | | ACIN 200V | 0.90typ | | |
| INRUSH CURRENT[A] | ACIN 100V | 15typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| | ACIN 200V | 30typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| LEAKAGE CURRENT[ma] | 0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) | | | | |
| OUTPUT | VOLTAGE[V] | 5 | 12 | 24 | |
| | CURRENT[A] | 10.0 | 4.3 | 2.1 | |
| | LINE REGULATION[mV] *4 | 20max | 48max | 96max | |
| | LOAD REGULATION[mV] *4 | 150max | 150max | 150max | |
| | RIPPLE[mVp-p] | 0 to +50°C *1 | 100max | 120max | 120max |
| | | -10 - 0°C *1 | 140max | 160max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +50°C *1 | 250max | 250max | 250max |
| | | -10 - 0°C *1 | 300max | 300max | 300max |
| | TEMPERATURE REGULATION[mV] | 0 to +50°C | 50max | 120max | 240max |
| | | -10 to +50°C | 60max | 150max | 290max |
| | DRIFT[mV] *2 | 20max | 48max | 96max | |
| | START-UP TIME[ms] | 350typ (ACIN 100V, Io=100%) | | | |
| | HOLD-UP TIME[ms] | 20typ (ACIN 100V, Io=100%) | | | |
| OUTPUT VOLTAGE SETTING[V] | 4.90 to 5.30 | 11.50 to 12.50 | 23.00 to 25.00 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | |
| | OVERVOLTAGE PROTECTION[V] | 5.75 to 7.00 | 13.80 to 16.80 | 27.60 to 33.60 | |
| | OPERATING INDICATION | LED (Green) | | | |
| | REMOTE SENSING | Not provided | | | |
| | REMOTE ON/OFF | Not provided | | | |
| ISOLATION | INPUT-OUTPUT | AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | INPUT-FG | AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | OUTPUT-FG | AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) | | | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +50°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3 | | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max | | | |
| | VIBRATION | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis | | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | | |
| SAFETY AND NOISE REGULATIONS | AGENCY APPROVALS | DEN-AN | | | |
| | CONDUCTED NOISE/POWER | Complies with DEN-AN | | | |
| | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 (Please contact us for the details of class C.) | | | |
| OTHERS | CASE SIZE/WEIGHT | 61 X 36 X 174mm [2.40 X 1.42 X 6.85 inches] (W X H X D) / 440g max | | | |
| | COOLING METHOD | Convection | | | |

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *3 Derating is required.
 *4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
 *5 Please contact us about dynamic load and input response.
 * To meet the specifications. Do not operate over-loaded condition.
 * Parallel operation is not possible.
 * Derating is required when operated with chassis and cover.
 * Sound noise may be generated by power supply in case of pulse load.

Block diagram



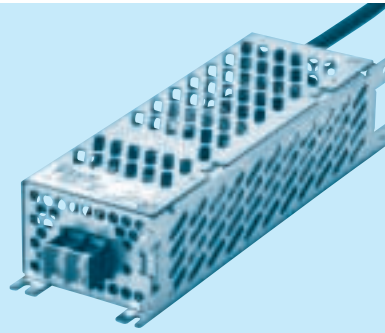
External view



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 440g max
- ※ PCB material/thickness : CEM3 / 1.6mm [0.06]
- ※ Chassis and cover material : Electric galvanizing steel board
- ※ Dimensions in mm, []=inches
- ※ Mounting torque : M4 : 1.6N · m (16.9kgf · cm) max
- ※ Input wire : VCTF 0.75sq X2C

SPLFA75F

SPLF A 75 F - □ - □
 ① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage
- ⑥ Optional
- C : with Coating

| MODEL | SPLFA75F-5 | SPLFA75F-12 | SPLFA75F-24 |
|-----------------------|------------|-------------|-------------|
| MAX OUTPUT WATTAGE[W] | 75 | 75.6 | 76.8 |
| DC OUTPUT | 5V 15A | 12V 6.3A | 24V 3.2A |

SPECIFICATIONS

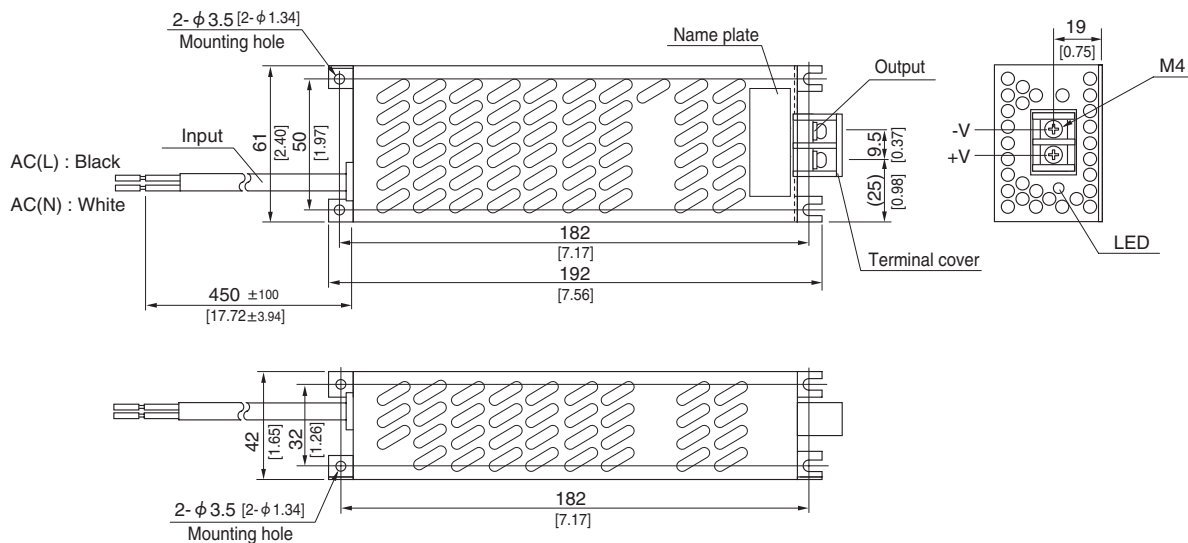
| | MODEL | SPLFA75F-5 | SPLFA75F-12 | SPLFA75F-24 | |
|-------------------------------|---|---|-------------------|----------------|---------|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ (Refer to Instruction Manual 1.1 and 3.1) *3 | | | |
| | CURRENT[A] | ACIN 100V | 1.00typ (Io=100%) | | |
| | | ACIN 200V | 0.50typ (Io=100%) | | |
| | FREQUENCY[Hz] | 50 / 60 (47 - 63) | | | |
| | EFFICIENCY[%] | ACIN 100V | 75.0typ | 80.0typ | 81.5typ |
| | | ACIN 200V | 77.0typ | 82.0typ | 83.5typ |
| | POWER FACTOR (Io=100%) | ACIN 100V | 0.97typ | | |
| | | ACIN 200V | 0.90typ | | |
| INRUSH CURRENT[A] | ACIN 100V | 15typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| | ACIN 200V | 30typ (Io=100%) (At cold start) (Ta=25°C) | | | |
| LEAKAGE CURRENT[ma] | 0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) | | | | |
| OUTPUT | VOLTAGE[V] | 5 | 12 | 24 | |
| | CURRENT[A] | 15.0 | 6.3 | 3.2 | |
| | LINE REGULATION[mV] *4 | 20max | 48max | 96max | |
| | LOAD REGULATION[mV] *4 | 150max | 150max | 150max | |
| | RIPPLE[mVp-p] | 0 to +50°C *1 | 100max | 120max | 120max |
| | | -10 - 0°C *1 | 140max | 160max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +50°C *1 | 250max | 250max | 250max |
| | | -10 - 0°C *1 | 300max | 300max | 300max |
| | TEMPERATURE REGULATION[mV] | 0 to +50°C | 50max | 120max | 240max |
| | | -10 to +50°C | 60max | 150max | 290max |
| | DRIFT[mV] *2 | 20max | 48max | 96max | |
| | START-UP TIME[ms] | 350typ (ACIN 100V, Io=100%) | | | |
| | HOLD-UP TIME[ms] | 20typ (ACIN 100V, Io=100%) | | | |
| OUTPUT VOLTAGE SETTING[V] | 4.90 to 5.30 | 11.50 to 12.50 | 23.00 to 25.00 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | |
| | OVERVOLTAGE PROTECTION[V] | 5.75 to 7.00 | 13.80 to 16.80 | 27.60 to 33.60 | |
| | OPERATING INDICATION | LED (Green) | | | |
| | REMOTE SENSING | Not provided | | | |
| | REMOTE ON/OFF | Not provided | | | |
| ISOLATION | INPUT-OUTPUT | AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | INPUT-FG | AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | | |
| | OUTPUT-FG | AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) | | | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +50°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3 | | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max | | | |
| | VIBRATION | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis | | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | | |
| SAFETY AND NOISE REGULATIONS | AGENCY APPROVALS | DEN-AN | | | |
| | CONDUCTED NOISE/POWER | Complies with DEN-AN | | | |
| | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 (Please contact us for the details of class C.) | | | |
| OTHERS | CASE SIZE/WEIGHT | 61 X 42 X 192mm [2.40 X 1.65 X 7.56 inches] (W X H X D) / 540g max | | | |
| | COOLING METHOD | Convection | | | |

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *3 Derating is required.
 *4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
 *5 Please contact us about dynamic load and input response.
 * To meet the specifications. Do not operate over-loaded condition.
 * Parallel operation is not possible.
 * Derating is required when operated with chassis and cover.
 * Sound noise may be generated by power supply in case of pulse load.

Block diagram



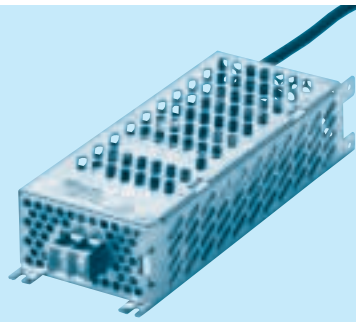
External view



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 540g max
- ※ PCB material/thickness : CEM3 / 1.6mm [0.06]
- ※ Chassis and cover material : Electric galvanizing steel board
- ※ Dimensions in mm, []=inches
- ※ Mounting torque : M4 : 1.6N · m (16.9kgf · cm) max
- ※ Input wire : VCTF 0.75sq X2C

SPLFA100F

SPLF A 100 F -□ -□
 ① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage
- ⑥ Optional
- C : with Coating

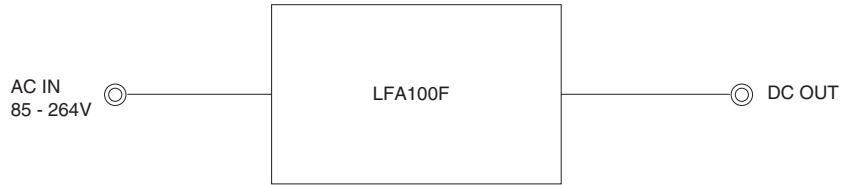
| | | |
|-----------------------|--------------|--------------|
| MODEL | SPLFA100F-12 | SPLFA100F-24 |
| MAX OUTPUT WATTAGE[W] | 102.0 | 103.2 |
| DC OUTPUT | 12V 8.5A | 24V 4.3A |

SPECIFICATIONS

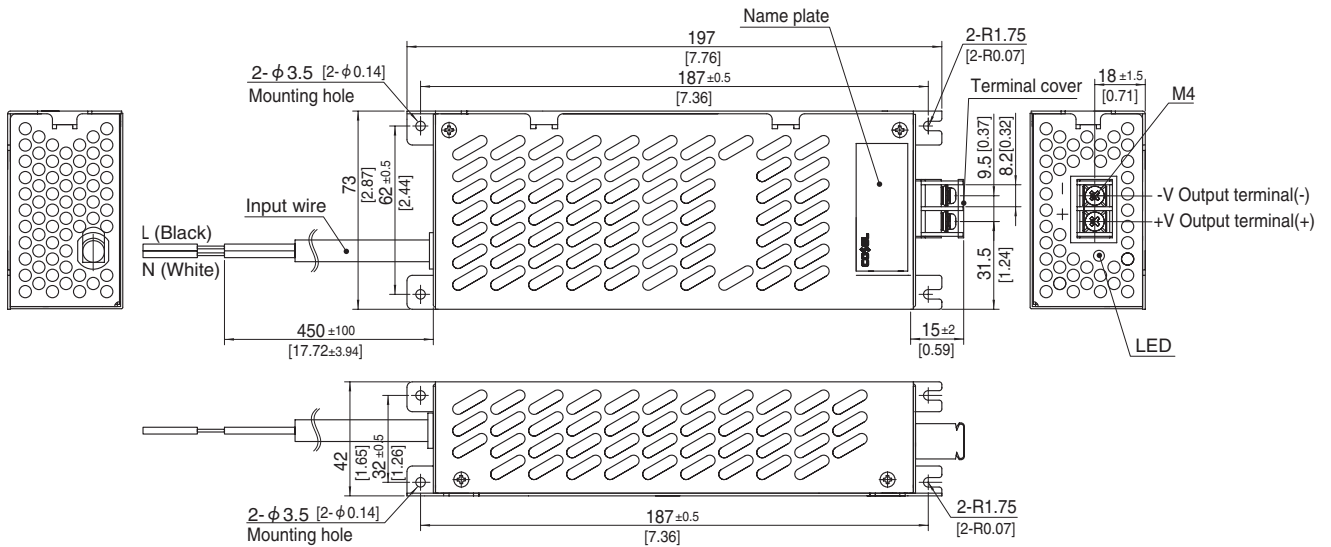
| | MODEL | SPLFA100F-12 | SPLFA100F-24 | |
|-------------------------------|---|---|------------------|---------|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ (Refer to Instruction Manual 1.1 and 3.1) *3 | | |
| | CURRENT[A] | ACIN 100V | 1.3typ (Io=100%) | |
| | | ACIN 200V | 0.7typ (Io=100%) | |
| | FREQUENCY[Hz] | 50 / 60 (47 - 63) | | |
| | EFFICIENCY[%] | ACIN 100V | 80.5typ | 83.0typ |
| | | ACIN 200V | 83.5typ | 86.0typ |
| | POWER FACTOR (Io=100%) | ACIN 100V | 0.97typ | |
| | | ACIN 200V | 0.90typ | |
| INRUSH CURRENT[A] | ACIN 100V | 15typ (Io=100%) (At cold start) (Ta=25°C) | | |
| | ACIN 200V | 30typ (Io=100%) (At cold start) (Ta=25°C) | | |
| LEAKAGE CURRENT[ma] | 0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) | | | |
| OUTPUT | VOLTAGE[V] | 12 | 24 | |
| | CURRENT[A] | 8.5 | 4.3 | |
| | LINE REGULATION[mV] *4 | 48max | 96max | |
| | LOAD REGULATION[mV] *4 | 150max | 150max | |
| | RIPPLE[mVp-p] | 0 to +50°C *1 | 120max | 120max |
| | | -10 - 0°C *1 | 160max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +50°C *1 | 250max | 250max |
| | | -10 - 0°C *1 | 300max | 300max |
| | TEMPERATURE REGULATION[mV] | 0 to +50°C | 120max | 240max |
| | | -10 to +50°C | 150max | 290max |
| | DRIFT[mV] *2 | 48max | 96max | |
| | START-UP TIME[ms] | 350typ (ACIN 100V, Io=100%) | | |
| | HOLD-UP TIME[ms] | 20typ (ACIN 100V, Io=100%) | | |
| OUTPUT VOLTAGE SETTING[V] | 11.50 to 12.50 | 23.00 to 25.00 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | |
| | OVERVOLTAGE PROTECTION[V] | 13.80 to 16.80 | 27.60 to 33.60 | |
| | OPERATING INDICATION | LED (Green) | | |
| | REMOTE SENSING | Not provided | | |
| ISOLATION | REMOTE ON/OFF | Not provided | | |
| | INPUT-OUTPUT | AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | |
| | INPUT-FG | AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | |
| ENVIRONMENT | OUTPUT-FG | AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) | | |
| | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +50°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3 | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max | | |
| | VIBRATION | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis | | |
| SAFETY AND NOISE REGULATIONS | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | |
| | AGENCY APPROVALS | DEN-AN | | |
| | CONDUCTED NOISE/POWER | Complies with DEN-AN | | |
| | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 (Please contact us for the details of class C.) | | |
| OTHERS | CASE SIZE/WEIGHT | 73 X 42 X 197mm [2.87 X 1.65 X 7.76 inches] (W X H X D) / 670g max | | |
| | COOLING METHOD | Convection | | |

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *3 Derating is required.
 *4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
 *5 Please contact us about dynamic load and input response.
 * To meet the specifications. Do not operate over-loaded condition.
 * Parallel operation is not possible.
 * Derating is required when operated with chassis and cover.
 * Sound noise may be generated by power supply in case of pulse load.

Block diagram



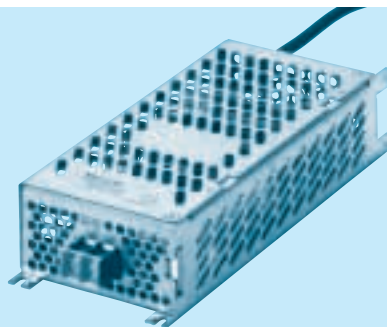
External view



- ※ Tolerance : ±1 [±0.04]
- ※ Weight : 670g max
- ※ Dimensions in mm, []=inches
- ※ Chassis material : Galvanized Steel board
- ※ Screw tightening torque : M4 : 1.6N · m (16.9kgf · cm) max
- ※ Input wire : VCTF 0.75sq X 2C

SPLFA150F

SPLF A 150 F -□ -□
 ① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage
- ⑥ Optional
- C : with Coating

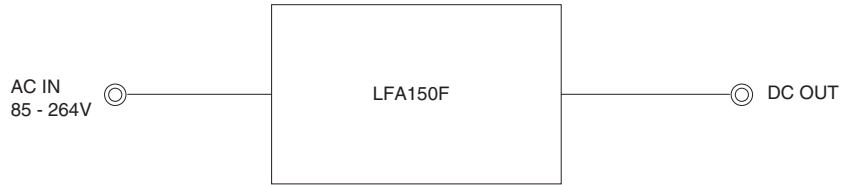
| | | |
|-----------------------|--------------|--------------|
| MODEL | SPLFA150F-12 | SPLFA150F-24 |
| MAX OUTPUT WATTAGE[W] | 150 | 151.2 |
| DC OUTPUT | 12V 12.5A | 24V 6.3A |

SPECIFICATIONS

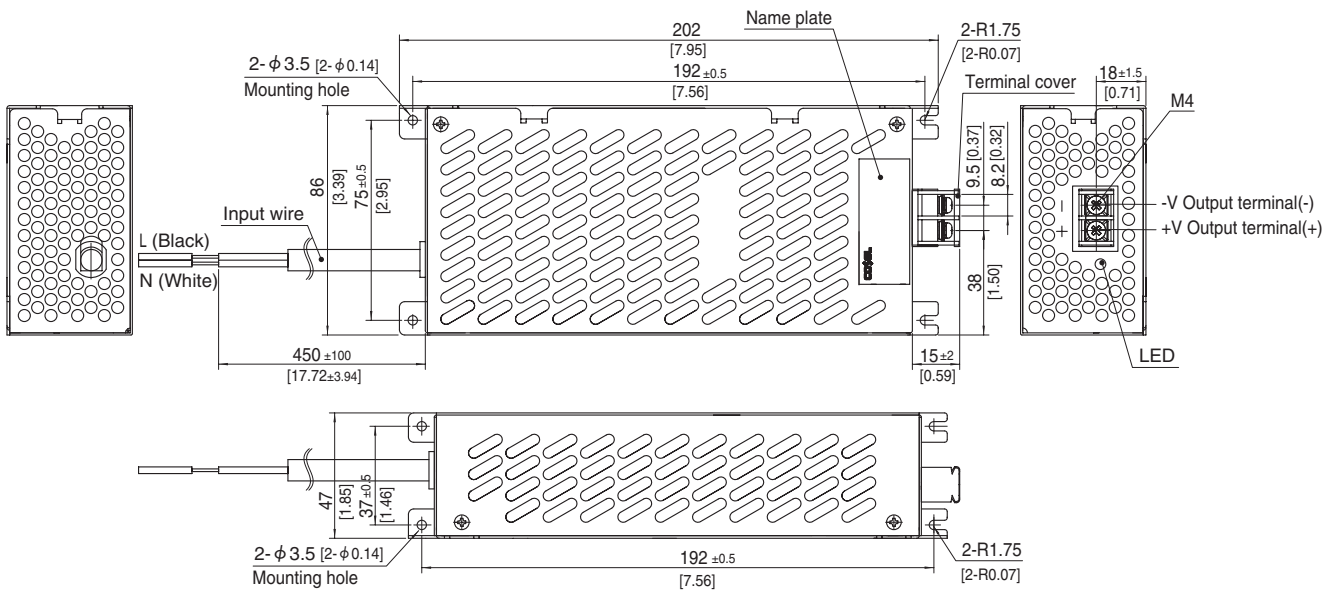
| | MODEL | SPLFA150F-12 | SPLFA150F-24 | |
|-------------------------------|---|---|------------------|---------|
| INPUT | VOLTAGE[V] | AC85 - 264 1 φ (Refer to Instruction Manual 1.1 and 3.1) *3 | | |
| | CURRENT[A] | ACIN 100V | 2.0typ (Io=100%) | |
| | | ACIN 200V | 1.0typ (Io=100%) | |
| | FREQUENCY[Hz] | 50 / 60 (47 - 63) | | |
| | EFFICIENCY[%] | ACIN 100V | 81.0typ | 84.0typ |
| | | ACIN 200V | 84.0typ | 86.5typ |
| | POWER FACTOR (Io=100%) | ACIN 100V | 0.97typ | |
| | | ACIN 200V | 0.90typ | |
| INRUSH CURRENT[A] | ACIN 100V | 15typ (Io=100%) (At cold start) (Ta=25°C) | | |
| | ACIN 200V | 30typ (Io=100%) (At cold start) (Ta=25°C) | | |
| LEAKAGE CURRENT[ma] | 0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN) | | | |
| OUTPUT | VOLTAGE[V] | 12 | 24 | |
| | CURRENT[A] | 12.5 | 6.3 | |
| | LINE REGULATION[mV] *4 | 48max | 96max | |
| | LOAD REGULATION[mV] *4 | 150max | 150max | |
| | RIPPLE[mVp-p] | 0 to +50°C *1 | 120max | 120max |
| | | -10 - 0°C *1 | 160max | 160max |
| | RIPPLE NOISE[mVp-p] | 0 to +50°C *1 | 250max | 250max |
| | | -10 - 0°C *1 | 300max | 300max |
| | TEMPERATURE REGULATION[mV] | 0 to +50°C | 120max | 240max |
| | | -10 to +50°C | 150max | 290max |
| | DRIFT[mV] *2 | 48max | 96max | |
| | START-UP TIME[ms] | 350typ (ACIN 100V, Io=100%) | | |
| | HOLD-UP TIME[ms] | 20typ (ACIN 100V, Io=100%) | | |
| OUTPUT VOLTAGE SETTING[V] | 11.50 to 12.50 | 23.00 to 25.00 | | |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | |
| | OVERVOLTAGE PROTECTION[V] | 13.80 to 16.80 | 27.60 to 33.60 | |
| | OPERATING INDICATION | LED (Green) | | |
| | REMOTE SENSING | Not provided | | |
| ISOLATION | REMOTE ON/OFF | Not provided | | |
| | INPUT-OUTPUT | AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | |
| | INPUT-FG | AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) | | |
| ENVIRONMENT | OUTPUT-FG | AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature) | | |
| | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +50°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3 | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max | | |
| SAFETY AND NOISE REGULATIONS | VIBRATION | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis | | |
| | IMPACT | 196.1m/s ² (20G), 11ms, once each X, Y and Z axis | | |
| OTHERS | AGENCY APPROVALS | DEN-AN | | |
| | CONDUCTED NOISE/POWER | Complies with DEN-AN | | |
| | HARMONIC ATTENUATOR | Complies with IEC61000-3-2 (Please contact us for the details of class C.) | | |
| OTHERS | CASE SIZE/WEIGHT | 86×47×202mm [3.39×1.85×7.95 inches] (W×H×D) / 850g max | | |
| | COOLING METHOD | Convection | | |

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
 *3 Derating is required.
 *4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details.
 *5 Please contact us about dynamic load and input response.
 * To meet the specifications. Do not operate over-loaded condition.
 * Parallel operation is not possible.
 * Derating is required when operated with chassis and cover.
 * Sound noise may be generated by power supply in case of pulse load.

Block diagram



External view



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 850g max
- ※ Dimensions in mm, []=inches
- ※ Chassis material : Galvanized Steel board
- ※ Screw tightening torque : M4 : 1.6N · m (16.9kgf · cm) max
- ※ Input wire : VCTF 0.75sq X 2C

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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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