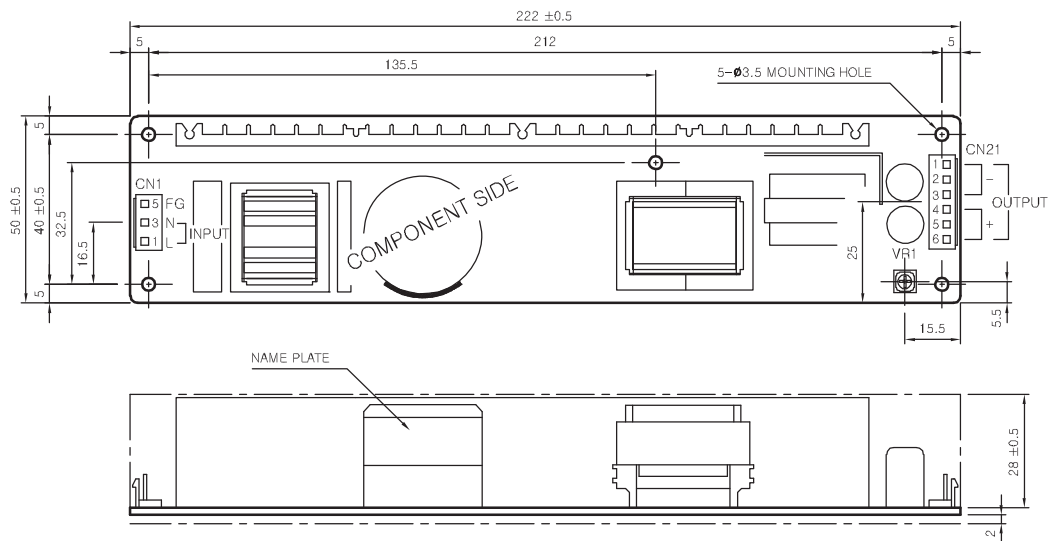


ESFL75-S SPECIFICATIONS

| MODEL | | ESFL75-05 | ESFL75-12 | ESFL75-15 | ESFL75-24 | ESFL75-36 | ESFL75-48 |
|-----------------------|--------------------------------|---|-----------|-----------|-----------|-----------|-----------|
| INPUT | VOLTAGE, FREQUENCY | AC100-120V (AC85 ~ 132V or DC120 ~ 186V), 50/60Hz (47 ~ 440Hz) | | | | | |
| | CURRENT [A] 110V | 2.0 (I ₀ =100%) | | | | | |
| | EFFICIENCY [%] 110V | 75 typ | 75 typ | 75 typ | 75 typ | 75 typ | 75 typ |
| | INRUSH CURRENT | 20A typ (AC IN 110V, I ₀ =100%) | | | | | |
| OUTPUT | VOLTAGE [V] | 5 | 12 | 15 | 24 | 36 | 48 |
| | CURRENT [A] | 15 | 6.3 | 5 | 3.2 | 2.1 | 1.6 |
| | REGULATION, LINE [mV] | 25 Max | 60 Max | 75 Max | 120 Max | 180 Max | 240 Max |
| | REGULATION, LOAD [mV] | 50 Max | 120 Max | 150 Max | 240 Max | 360 Max | 480 Max |
| | RIPPLE [mVp-p] | 50 Max | 120 Max | 150 Max | 240 Max | 360 Max | 480 Max |
| | RIPPLE, NOISE [mVp-p] | 120 Max | 170 Max | 200 Max | 290 Max | 410 Max | 530 Max |
| | TEMPERATURE DRIFT 0~+50°C [mV] | 75 Max | 180 Max | 225 Max | 360 Max | 540 Max | 720 Max |
| | RISE TIME [ms] | 500 Max (AC IN 110V, I ₀ =100%) | | | | | |
| | HOLDING TIME [ms] | 17 typ (AC IN 110V I ₀ =100%) | | | | | |
| PROTECTION CIRCUIT | OVER CURRENT PROTECTION | Works at over 110% of rating and recovers automatically | | | | | |
| | OVER VOLTAGE PROTECTION | Works at 115~140% of rating | | | | | |
| ELECTRICALLY ISOLATED | INPUT-OUTPUT | AC 3,000V 1 minute current 10mA, DC 500V 100MΩ (At room temperature & Humidity) | | | | | |
| | INPUT-CASE, FG | AC 2,000V 1 minute current 10mA, 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 ~ +50°C, 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 | Built to meet UL60950-1, EN60950-1 | | | | | |
| | LINE CONDUCTED RF VOLTAGE | Built to meet EN55022-A | | | | | |

ESFL75-S EXTERNAL VIEW



- * Weight : 350g
- * Tolerance : ±1
- * PCB t=1.6
- * Dimensions in mm

| CN1 | 1 | AC (L) |
|------|---------|----------|
| | 3 | AC (N) |
| 5 | FG | |
| CN21 | 1, 2, 3 | OUTPUT - |
| | 4, 5, 6 | OUTPUT + |

| | I/O Connector | Mating Connector | Terminal | Manufacturer |
|------|---------------|------------------|----------|--------------|
| CN1 | YW396-05V | YH396-05V | YT396 | 연흥전자 |
| CN21 | YW396-06V | YH396-06V | YT396 | 연흥전자 |