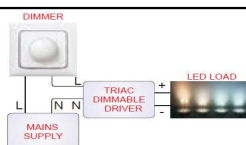


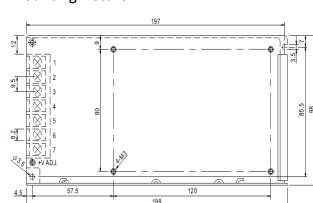
|                                                                                 |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                        | Cat/34XXX/412(12V)                                                                  |             |     |
| Features                                                                        |                                                        | Ordering Information                                                                |             |                                                                                                                                                                                                                                                                                                                                         |
| Universal AC input                                                              |                                                        | O/P VOLTAGE                                                                         | O/P CURRENT | MODEL NO.                                                                                                                                                                                                                                                                                                                               |
| Protections-Short circuit /Over voltage /Over temperature                       |                                                        | 12 VDC                                                                              | 12.50 A     | PI-14-FD-13150A                                                                                                                                                                                                                                                                                                                         |
| Output Voltage is Constant                                                      |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| 100% full load burn-in-test                                                     |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| High reliability                                                                |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| Suitable for built-in-applications of LED lighting                              |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| 2 years warranty                                                                |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| Specification                                                                   |                                                        | PI-14-FD-13150A                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |
| OUTPUT                                                                          | DC VOLTAGE                                             | 12 VDC                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | CONSTANT CURRENT OPERATION VOLTAGE                     | 0-12.5A                                                                             |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | RATED CURRENT                                          | 12.5 A                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | RATED POWER                                            | 150W                                                                                |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | CURRENT TOLERANCE                                      | +/- 5%                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | VOLTAGE TOLERANCE                                      | +/- 5%                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | LINE REGULATION                                        | +/- 5%                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | LOAD REGULATION                                        | +/- 5%                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | RIPPLE                                                 | 2 Vp-p                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
| INPUT                                                                           | OPERATING VOLTAGE RANGE                                | 220-240 VAC                                                                         |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | SUPPLY VOLTS (Vn)                                      | 225 VAC                                                                             |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | SUPPLY CURRENT (In) @ 240Vac                           | 0.91A/170VAC, 0.7A/220VAC, 0.62A/250VAC                                             |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | WATTS (Pn)                                             | 178.0                                                                               |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | POWER FACTOR (PF) (AT FULL LOAD)                       | 0.5                                                                                 |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | CURRENT CREST FACTOR                                   | <1.7                                                                                |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | CURRENT THD% (AT FULL LOAD)                            | <15 %                                                                               |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | INRUSH CURRENT                                         | 18.5 A                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | EFFICIENCY (AT FULL LOAD)                              | 85.00%                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
| DIMMING CONTROL                                                                 | DIMMING OPTIONS                                        | TRIAC PHASE CUT DIMMING (Suitable for Leading Edge dimmers)                         |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | DIMMING SIGNAL                                         | DIMMING RANGE: 100% to 15%                                                          |             |                                                                                                                                                                                                                                                                                                                                         |
| PROTECTION                                                                      | O/P OVER VOLTAGE                                       | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | I/P OVER VOLTAGE                                       | NA                                                                                  |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | I/P UNDER VOLTAGE                                      | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | OVER LOAD                                              | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | SHORT CIRCUIT                                          | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | I/P FUSE                                               | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | REVERSE POLARITY                                       | NA                                                                                  |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | THERMAL CUTOFF                                         | NA                                                                                  |             |                                                                                                                                                                                                                                                                                                                                         |
| PHYSICAL CHARACTERISTICS                                                        | LED DRIVER SHAPE                                       | RECTANGULAR                                                                         |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | DIMENSIONS(L*W*H)                                      | 190 (L)* 95 (W)* 38 (H) mm                                                          |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | WEIGHT IN Gms                                          | 680 gm                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | DIMENSIONS (L*W*H) (with casing)                       | 199 (L)* 98 (W)* 42 (H) mm                                                          |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | WEIGHT IN Gms (CASING)                                 | 842 gm                                                                              |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | DIMENSIONS (L*W*H) ( Applicable for Potted Model only) | -                                                                                   |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | WEIGHT IN Gms ( Applicable for Potted Model only)      | -                                                                                   |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | MAXIMUM TEMP. tc (°)                                   | 90 DEG.C                                                                            |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | OPERATING AMBIENT TEMP(ta)                             | -10 DEG .C TO + 70 DEG.C                                                            |             |                                                                                                                                                                                                                                                                                                                                         |
| SAFETY&EMC                                                                      | SAFETY STANDARDS                                       | IEC 61347-2-13                                                                      |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | INSULATION RESISTANCE                                  | >500M OHM@1000VDC                                                                   |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | EMC EMISSION                                           | Compliance to EN55015,EN61000-3-3                                                   |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | EMC IMMUNITY                                           | Compliance to EN61000-4-2,3,4,5,6,8,11                                              |             |                                                                                                                                                                                                                                                                                                                                         |
| GENERAL                                                                         | HV TEST ACROSS SHORTED I/P & O/P                       | 1.5KV                                                                               |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | SURGE                                                  | 2.5KV                                                                               |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | ISOLATION BETWEEN I/P & O/P                            | AVAILABLE                                                                           |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | TERMINATION                                            | PCB Mounted Screw Terminal                                                          |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | TERMINATION ( Applicable for Potted Model only)        | CABLE i/p: Brown(L),Blue(N),<br>CABLE o/p: Red(+),Black(-),Orange(0-10v),White(gnd) |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | PCB TYPE                                               | GLASS EPOXY                                                                         |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | PACKING                                                | 500 PCS, PER BOX                                                                    |             |                                                                                                                                                                                                                                                                                                                                         |
| RELIABILITY TEST                                                                | LOW VOLTAGE TEST                                       | OK                                                                                  |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | HIGH VOLTAGE TEST                                      | OK                                                                                  |             |                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | TEMPERATURE TEST                                       | 70 °C, 1 MONTH                                                                      |             |                                                                                                                                                                                                                                                                                                                                         |
| (*) Indicates Temperature Of O/P Capacitor                                      |                                                        |                                                                                     |             |                                                                                                                                                                                                                                                                                                                                         |



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Mounting Details



**2 years**  
warranty



DNV·GL

MADE IN INDIA