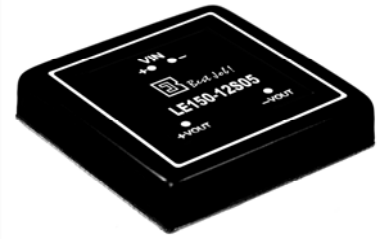


# LE SERIES 15W WIDE INPUT RANGE



## FEATURES

- REGULATED OUTPUT
- 100% BURN IN
- HIGH EFFICIENCY
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILABLE
- 3 YEARS WARRANTY



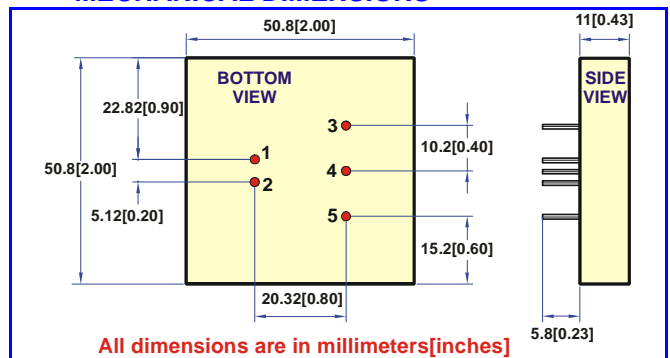
| OUTPUT SPECIFICATIONS      |                  | INPUT SPECIFICATIONS                |                     | GENERAL SPECIFICATIONS |                          |
|----------------------------|------------------|-------------------------------------|---------------------|------------------------|--------------------------|
| Voltage Set-point Accuracy | +/-2% max        | Input Voltage Range                 | 2:1-4:1 Input Range | Efficiency             | 75% min                  |
| Temperature Coefficient    | +/-0.05%/°C      | Input Filter                        | Pi Network          | Isolation Voltage      | 1500 -3000VDC min        |
| Ripple & Noise(20MHz BW)   | 100mVp-p max     | Protection                          | Fuse Recommended    | Isolation Resistance   | 10 <sup>9</sup> ohms min |
| Line Regulation            | +/-0.5% max      | <b>ENVIRONMENTAL SPECIFICATIONS</b> |                     | Isolation Capacitance  | 550pF max                |
| Load Regulation            | +/-0.5% max      | Operating Temperature               | -25°C to +71°C      | Switching Frequency    | 150KHz min               |
| Minimum Load               | 10% of Full Load | Storage Temperature                 | -55°C to +125°C     | MTBF                   | >320,000 Hours           |
| Short Circuit Protection   | Continuous       | Humidity                            | 95% max             | Case Material          | Six-Sided Shield Case    |

### ● 2:1 12W-15W OUTPUT

| MODEL <sup>1</sup><br>NUMBER | INPUT<br>(VDC) | OUTPUT           |                 | EFF<br>(%) | ISOLATION<br>(VDC) |
|------------------------------|----------------|------------------|-----------------|------------|--------------------|
|                              |                | VOLTAGE<br>(VDC) | CURRENT<br>(mA) |            |                    |
| LE120-12S3.3/-3K             | 9-18           | 3.3              | 3600            | 75         | 1500 / 3000        |
| LE150-12S05/-3K              | 9-18           | 5                | 3000            | 77         | 1500 / 3000        |
| LE150-12S09/-3K              | 9-18           | 9                | 1670            | 79         | 1500 / 3000        |
| LE150-12S12/-3K              | 9-18           | 12               | 1250            | 80         | 1500 / 3000        |
| LE150-12S15/-3K              | 9-18           | 15               | 1000            | 81         | 1500 / 3000        |
| LE150-12S24/-3K              | 9-18           | 24               | 625             | 81         | 1500 / 3000        |
| LE150-12D05/-3K              | 9-18           | +/-5             | +/-1500         | 77         | 1500 / 3000        |
| LE150-12D12/-3K              | 9-18           | +/-12            | +/-625          | 80         | 1500 / 3000        |
| LE150-12D15/-3K              | 9-18           | +/-15            | +/-500          | 82         | 1500 / 3000        |
| LE150-12D24/-3K              | 9-18           | +/-24            | +/-313          | 83         | 1500 / 3000        |
| LE120-24S3.3/-3K             | 18-36          | 3.3              | 3600            | 77         | 1500 / 3000        |
| LE150-24S05/-3K              | 18-36          | 5                | 3000            | 80         | 1500 / 3000        |
| LE150-24S09/-3K              | 18-36          | 9                | 1670            | 81         | 1500 / 3000        |
| LE150-24S12/-3K              | 18-36          | 12               | 1250            | 82         | 1500 / 3000        |
| LE150-24S15/-3K              | 18-36          | 15               | 1000            | 82         | 1500 / 3000        |
| LE150-24S24/-3K              | 18-36          | 24               | 625             | 83         | 1500 / 3000        |
| LE150-24S27/-3K              | 18-36          | 27               | 556             | 83         | 1500 / 3000        |
| LE150-24D05/-3K              | 18-36          | +/-5             | +/-1500         | 83         | 1500 / 3000        |
| LE150-24D12/-3K              | 18-36          | +/-12            | +/-625          | 82         | 1500 / 3000        |
| LE150-24D15/-3K              | 18-36          | +/-15            | +/-500          | 83         | 1500 / 3000        |
| LE150-24D24/-3K              | 18-36          | +/-24            | +/-313          | 83         | 1500 / 3000        |
| LE120-48S3.3/-3K             | 36-72          | 3.3              | 3600            | 77         | 1500 / 3000        |
| LE150-48S05/-3K              | 36-72          | 5                | 3000            | 79         | 1500 / 3000        |
| LE150-48S12/-3K              | 36-72          | 12               | 1250            | 82         | 1500 / 3000        |
| LE150-48S15/-3K              | 36-72          | 15               | 1000            | 82         | 1500 / 3000        |
| LE150-48S24/-3K              | 36-72          | 24               | 625             | 83         | 1500 / 3000        |
| LE150-48D05/-3K              | 36-72          | +/-5             | +/-1500         | 83         | 1500 / 3000        |
| LE150-48D12/-3K              | 36-72          | +/-12            | +/-625          | 82         | 1500 / 3000        |
| LE150-48D15/-3K              | 36-72          | +/-15            | +/-500          | 82         | 1500 / 3000        |
| LE150-48D24/-3K              | 36-72          | +/-24            | +/-313          | 83         | 1500 / 3000        |

|                  |       |       |         |    |             |
|------------------|-------|-------|---------|----|-------------|
| LE150-412S05/-3K | 9-36  | 5     | 3000    | 77 | 1500 / 3000 |
| LE150-412S09/-3K | 9-36  | 9     | 1670    | 78 | 1500 / 3000 |
| LE150-412S12/-3K | 9-36  | 12    | 1250    | 80 | 1500 / 3000 |
| LE150-412S15/-3K | 9-36  | 15    | 1000    | 80 | 1500 / 3000 |
| LE150-412S24/-3K | 9-36  | 24    | 625     | 80 | 1500 / 3000 |
| LE150-412D05/-3K | 9-36  | +/-5  | +/-1500 | 77 | 1500 / 3000 |
| LE150-412D12/-3K | 9-36  | +/-12 | +/-625  | 80 | 1500 / 3000 |
| LE150-412D15/-3K | 9-36  | +/-15 | +/-500  | 80 | 1500 / 3000 |
| LE150-424S05/-3K | 18-72 | 5     | 3000    | 79 | 1500 / 3000 |
| LE150-424S09/-3K | 18-72 | 9     | 1670    | 80 | 1500 / 3000 |
| LE150-424S12/-3K | 18-72 | 12    | 1250    | 81 | 1500 / 3000 |
| LE150-424S15/-3K | 18-72 | 15    | 1000    | 82 | 1500 / 3000 |
| LE150-424S24/-3K | 18-72 | 24    | 780     | 80 | 1500 / 3000 |
| LE150-424D05/-3K | 18-72 | +/-5  | +/-1500 | 79 | 1500 / 3000 |
| LE150-424D12/-3K | 18-72 | +/-12 | +/-625  | 81 | 1500 / 3000 |
| LE150-424D15/-3K | 18-72 | +/-15 | +/-500  | 82 | 1500 / 3000 |

### ● MECHANICAL DIMENSIONS



|               | PIN 1 | PIN 2 | PIN 3 | PIN 4 | PIN 5 |
|---------------|-------|-------|-------|-------|-------|
| <b>SINGLE</b> | +Vin  | -Vin  | +Vout | NP    | -Vout |
| <b>DUAL</b>   | +Vin  | -Vin  | +Vout | Com   | -Vout |

### ● 4:1 15W OUTPUT

<sup>1</sup> LE150\_\*\*\*\*-3K FOR 3000VDC ISOLATION