

Features:

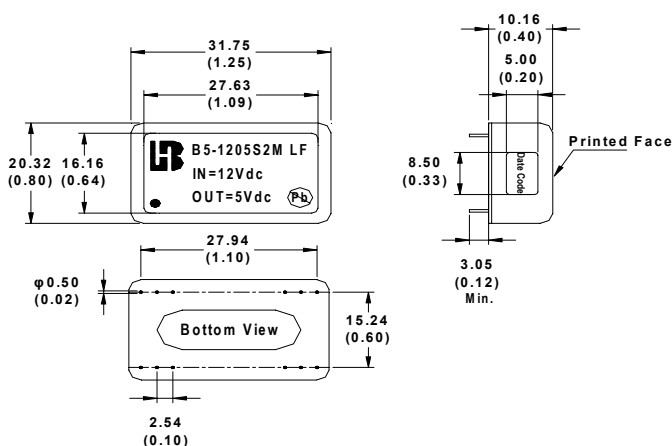
- Input Filter With Internal Capacitor
- Input / Output Isolation 1K Vdc Or 3K Vdc(H)
- Low Ripple And Noise
- 100% Burn-In
- Regulated type
- Net Weight : 11.3 g / 14 g Typical
- 24 Pin DIL Package
- Custom Design Available

Technical Specification (1/2):

| Model No. | Input Voltage (Vdc) | Output Voltage (Vdc) | Output Current (mA) Max | Input Current @No Load (mA) Typ. | Input Current @Max. Load (mA) Typ. | Output Ripple (mV) Max. | Load Regulation (%) Max. | Efficiency (%)Typ. |
|--------------------------------------|---------------------|----------------------|-------------------------|----------------------------------|------------------------------------|-------------------------|--------------------------|--------------------|
| 1) 1.5 W Single Output Series | | | | | | | | |
| B5-053R6S1(H) LF | 5 | 3.6 | 400 | 28 | 443 | 60 | ± 0.5 | 65 |
| B5-0505S1(H) LF | | 5 | 300 | 25 | 454 | 60 | ± 0.5 | 66 |
| B5-1205S1(H) LF | 12 | 5 | 300 | 16 | 184 | 60 | ± 0.5 | 68 |
| B5-1212S1(H) LF | | 12 | 125 | 16 | 181 | 100 | ± 0.5 | 69 |
| B5-2405S1(H) LF | 24 | 5 | 300 | 5 | 96 | 60 | ± 0.5 | 65 |
| B5-2415S1(H) LF | | 15 | 100 | 4 | 91 | 120 | ± 0.5 | 69 |
| 2) 2.0 W Single Output Series | | | | | | | | |
| B5-0505S2(H) LF | 5 | 5 | 400 | 45 | 615 | 70 | ± 0.5 | 65 |
| B5-0509S2(H) LF | | 9 | 200 | 43 | 545 | 90 | ± 0.5 | 66 |
| B5-1205S2(H) LF | 12 | 5 | 400 | 18 | 252 | 70 | ± 0.5 | 66 |
| B5-1209S2(H) LF | | 9 | 200 | 18 | 220 | 90 | ± 0.5 | 68 |
| B5-1212S2(H) LF | | 12 | 167 | 18 | 245 | 100 | ± 0.5 | 68 |
| B5-2405S2(H) LF | 24 | 5 | 400 | 5 | 128 | 70 | ± 0.5 | 65 |
| B5-2412S2(H) LF | | 12 | 167 | 5 | 121 | 100 | ± 0.5 | 69 |
| 3) 3.0 W Single Output Series | | | | | | | | |
| B5-0505S3(H) LF | 5 | 5 | 600 | 50 | 938 | 70 | ± 0.5 | 64 |
| B5-0512S3(H) LF | | 12 | 250 | 45 | 910 | 100 | ± 0.5 | 66 |
| B5-1205S3(H) LF | 12 | 5 | 600 | 20 | 378 | 70 | ± 0.5 | 66 |
| B5-1209S3(H) LF | | 9 | 333 | 20 | 362 | 90 | ± 0.5 | 69 |
| B5-1212S3(H) LF | | 12 | 250 | 20 | 362 | 100 | ± 0.5 | 69 |
| B5-2405S3(H) LF | 24 | 5 | 600 | 6 | 192 | 70 | ± 0.5 | 65 |
| B5-2412S3(H) LF | | 12 | 250 | 6 | 181 | 100 | ± 0.5 | 66 |

Mechanical Dimensions (1/2):

Metal Case Model



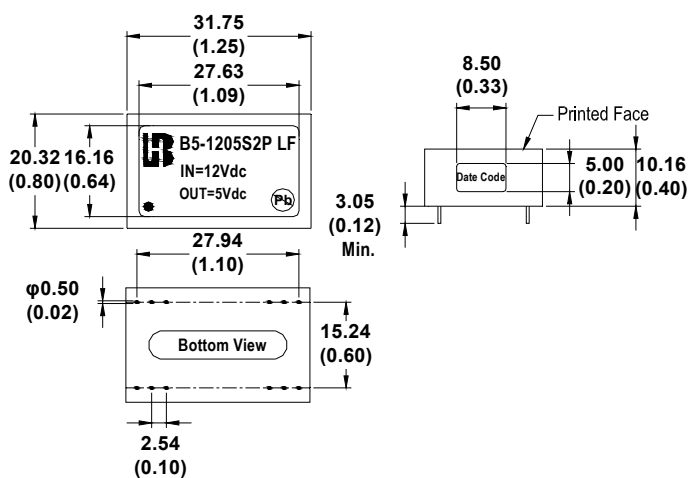
| Pin | Single Output | | Pin | Dual Output | | Pin |
|-----|---------------|--------|-------|-------------|--------|-------|
| 1 | +Vin | +Vin | 24 | +Vin | +Vin | 24 |
| 2~3 | NC | NC | 22~23 | -Vo | -Vo | 22~23 |
| 4~9 | No Pin | No Pin | 16~21 | Common | Common | 16~21 |
| 10 | -Vo | -Vo | 15 | No Pin | No Pin | 15 |
| 11 | +Vo | +Vo | 14 | Common | Common | 14 |
| 12 | -Vin | -Vin | 13 | +Vo | +Vo | 13 |

Technical Specification (2/2):

| Model No. | Input Voltage (Vdc) | Output Voltage (Vdc) | Output Current (mA) Max | Input Current @No Load (mA) Typ. | Input Current @Max. Load (mA) Typ. | Output Ripple (mV) Max. | Load Regulation (%) Max. | Efficiency (%)Typ. |
|------------------------------------|---------------------|----------------------|-------------------------|----------------------------------|------------------------------------|-------------------------|--------------------------|--------------------|
| 4) 1.5 W Dual Output Series | | | | | | | | |
| B5-053R6D1(H) LF | 5 | ± 3.6 | ± 200 | 28 | 443 | 70 | ± 2 | 65 |
| B5-0505D1(H) LF | | ± 5 | ± 150 | 25 | 454 | 70 | ± 2 | 66 |
| B5-1205D1(H) LF | 12 | ± 5 | ± 150 | 16 | 184 | 70 | ± 2 | 68 |
| B5-1212D1(H) LF | | ± 12 | ± 63 | 16 | 181 | 100 | ± 2 | 69 |
| B5-2405D1(H) LF | 24 | ± 5 | ± 150 | 5 | 96 | 70 | ± 2 | 65 |
| B5-247R2D1(H) LF | | ± 7.2 | ± 100 | 5 | 91 | 75 | ± 2 | 66 |
| B5-2415D1(H) LF | | ± 15 | ± 50 | 4 | 91 | 120 | ± 2 | 69 |
| 5) 2.0 W Dual Output Series | | | | | | | | |
| B5-0505D2(H) LF | 5 | ± 5 | ± 200 | 45 | 615 | 70 | ± 2 | 65 |
| B5-0512D2(H) LF | | ± 12 | ± 83 | 43 | 606 | 100 | ± 2 | 66 |
| B5-1205D2(H) LF | 12 | ± 5 | ± 200 | 18 | 252 | 70 | ± 2 | 66 |
| B5-2405D2(H) LF | 24 | ± 5 | ± 200 | 5 | 128 | 70 | ± 2 | 65 |
| B5-2412D2(H) LF | | ± 12 | ± 83 | 5 | 121 | 100 | ± 2 | 69 |
| 6) 3.0 W Dual Output Series | | | | | | | | |
| B5-0505D3(H) LF | 5 | ± 5 | ± 300 | 50 | 938 | 70 | ± 2 | 64 |
| B5-0512D3(H) LF | | ± 12 | ± 125 | 45 | 910 | 100 | ± 2 | 66 |
| B5-1205D3(H) LF | 12 | ± 5 | ± 300 | 20 | 378 | 70 | ± 2 | 66 |
| B5-1212D3(H) LF | | ± 12 | ± 125 | 20 | 362 | 100 | ± 2 | 69 |
| B5-2405D3(H) LF | 24 | ± 5 | ± 300 | 6 | 192 | 70 | ± 2 | 65 |
| B5-2412D3(H) LF | | ± 12 | ± 125 | 6 | 181 | 100 | ± 2 | 69 |
| B5-2415D3(H) LF | | ± 15 | ± 100 | 6 | 181 | 120 | ± 2 | 69 |

Mechanical Dimensions (2/2):

Plastic Case Model



| Pin | Single Output | Pin |
|-----|---------------|-------|
| 1 | +Vin | 24 |
| 2~3 | NC | 22~23 |
| 4~9 | No Pin | 16~21 |
| 10 | -Vo | 15 |
| 11 | +Vo | 14 |
| 12 | -Vin | 13 |

| Pin | Dual Output | Pin |
|-----|-------------|-------|
| 1 | +Vin | 24 |
| 2~3 | -Vo | 22~23 |
| 4~9 | Common | 16~21 |
| 10 | No Pin | 15 |
| 11 | Common | 14 |
| 12 | +Vo | 13 |