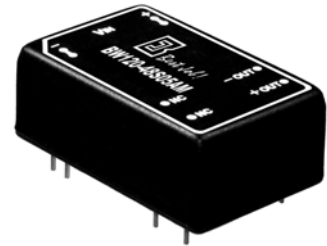


BW120 SERIES 10~12W WIDE I/P RANGE



FEATURES

- 10W~12W DIL PACKAGE
- 9-18V,18-36V,36-75V WIDE INPUT RANGE
- 100% BURN IN
- HIGH EFFICIENCY
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILAVLE
- RoHS COMPLIANT
- 3 YEARS WARRANTY



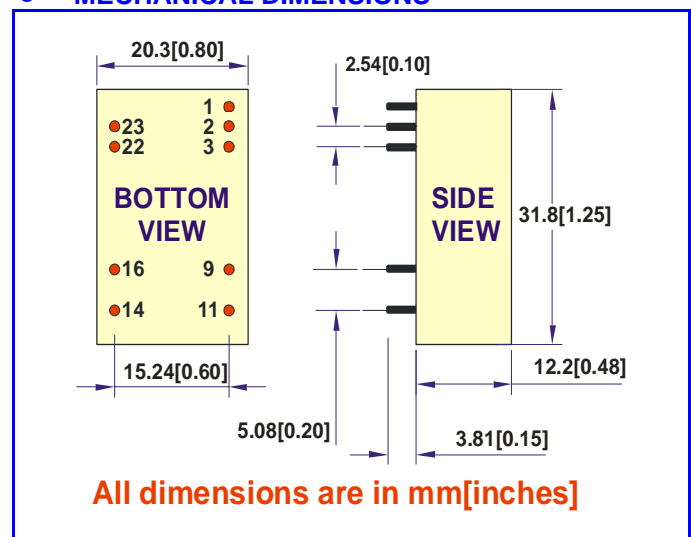
| OUTPUT SPECIFICATIONS | | INPUT SPECIFICATIONS | | GENERAL SPECIFICATIONS | |
|----------------------------|------------------|------------------------------|---------------------|------------------------|---------------------------|
| Voltage Set-point Accuracy | +/-2% max | Input Voltage Range | 2:1 Input Range | Efficiency | 78% min |
| Temperature Coefficient | +/-0.05%/°C | Input Filter | Pi Network | Isolation Voltage | 1500 VDC min |
| Ripple & Noise(20MHz BW) | 100mVp-p max | Protection | Fuse Recommended | Isolation Resistance | 10 ⁹ ohms typ. |
| Line Regulation | +/-0.5% max | ENVIRONMENTAL SPECIFICATIONS | | Isolation Capacitance | 2200pF max |
| Load Regulation | +/-0.5% max | Operating Temperature | -40°C to +85°C | Switching Frequency | 400KHz Typ |
| Minimum Load | 20% of Full Load | Storage Temperature | -55°C to +105°C | MTBF | >600,000 Hours |
| Short Circuit Protection | Continuous | Cooling | Free-Air Convection | Case Material | Five-Side Shielded Case |
| Short Circuit Restart | Automatic | Humidity | 95% max | Weight | 18.5g typ. |

● 2:1 10W-12W OUTPUT

| MODEL NUMBER | INPUT (VDC) | OUTPUT | | EFF (%) | PACKAGE |
|----------------|-------------|---------------|--------------|---------|---------|
| | | VOLTAGE (VDC) | CURRENT (mA) | | |
| BW075-12S2.5AM | 9-18 | 2.5 | 3000 | 78 | A |
| BW100-12S3.3AM | 9-18 | 3.3 | 3000 | 80 | A |
| BW120-12S05AM | 9-18 | 5 | 2400 | 84 | A |
| BW120-12S12AM | 9-18 | 12 | 1000 | 83 | A |
| BW120-12S15AM | 9-18 | 15 | 800 | 83 | A |
| BW120-12D05AM | 9-18 | +/-5 | +/-1200 | 81 | A |
| BW120-12D12AM | 9-18 | +/-12 | +/-500 | 84 | A |
| BW120-12D15AM | 9-18 | +/-15 | +/-400 | 83 | A |
| BW075-24S2.5AM | 18-36 | 2.5 | 3000 | 78 | A |
| BW100-24S3.3AM | 18-36 | 3.3 | 3000 | 80 | A |
| BW120-24S05AM | 18-36 | 5 | 2400 | 83 | A |
| BW120-24S12AM | 18-36 | 12 | 1000 | 83 | A |
| BW120-24S15AM | 18-36 | 15 | 800 | 85 | A |
| BW120-24D05AM | 18-36 | +/-5 | +/-1200 | 81 | A |
| BW120-24D12AM | 18-36 | +/-12 | +/-500 | 84 | A |
| BW120-24D15AM | 18-36 | +/-15 | +/-400 | 84 | A |
| BW075-48S2.5AM | 36-75 | 2.5 | 3000 | 78 | A |
| BW100-48S3.3AM | 36-75 | 3.3 | 3000 | 80 | A |
| BW120-48S05AM | 36-75 | 5 | 2400 | 84 | A |

| | | | | | |
|---------------|-------|-------|---------|----|---|
| BW120-48S12AM | 36-75 | 12 | 1000 | 83 | A |
| BW120-48S15AM | 36-75 | 15 | 800 | 85 | A |
| BW120-48D05AM | 36-75 | +/-5 | +/-1200 | 81 | A |
| BW120-48D12AM | 36-75 | +/-12 | +/-500 | 84 | A |
| BW120-48D15AM | 36-75 | +/-15 | +/-400 | 84 | A |

● MECHANICAL DIMENSIONS



| | PIN | 1 | 2 & 3 | 9 | 11 | 14 | 16 | 22 & 23 |
|---------------|--------|------|-------|-------|-------|-------|------|---------|
| SINGLE | Remote | -Vin | NC | NC | +Vout | -Vout | +Vin | |
| DUAL | On/Off | -Vin | Com. | -Vout | +Vout | Com. | +Vin | |