100 WATTS

SINGLE OUTPUT AC-DC

FEATURES:

- Compact 2.5" x 4.5" x 1.0" Size IEC 60601-1 3rd ed. Medical Cert.
- 3 Year Warranty
- Universal 85-264V Input
- Single High Efficiency Output
- Power Fail Warning
- 0-70°C Operating Temperature
- RoHS Compliant
- IEC 60601-1-2 4th ed. EMC • Class B Emissions per EN55011/32
- Optional Single Wire Load Sharing

• IEC 62368-1 2nd ed. Certification

- Optional Remote Inhibit/Enable
- Optional Chassis/Cover



| | National and Group Deviations) | IEC 60601-1:2005/A1:2012 | |
|----|---|--|--|
| | TUV SUD America | EN 62368-1:2014, 2nd Edition EN 60601-1:2006/A1:2013 | |
| CE | Low Voltage Directive RoHS Directive (Recast) | (2014/35/EU of February 2014) (2015/863/EU of March 2015) | |
| UK | Electrical Equipment (Safety) Regulations 2016 SI No. 1101 | | |
| ČÀ | Restriction of the Use of Certain Hazardous Substances in EEE Regulations | | |

2012 SI No. 3032 + 2019 SI No.492

| MODEL LISTING | | | | | |
|---------------|------------|----------------------|------------|----------------------|--|
| OPEN FRAME | | | CHASS | IS/COVER | |
| MODEL | 300 LFM | CONVECTION COOLED | 300 LFM | CONVECTION COOLED | |
| NXT-100-1001 | 2.5V/20.0A | 2.5V/14.0A | 2.5V/18.0A | 2.5V/12.6A | |
| NXT-100-1002 | 3.3V/20.0A | 3.3V/14.0A | 3.3V/18.0A | 3.3V/12.6A | |
| NXT-100-1003 | 5V/20.0A | 5V/14.0A | 5V/18.0A | 5V/12.6A | |
| NXT-100-1004 | 12V/8.3A | 12V/5.8A | 12V/7.5A | 12V/5.2A | |
| NXT-100-1005 | 15V/6.7A | 15V/4.7A | 15V/6.0A | 15V/4.2A | |
| NXT-100-1006 | 24V/4.2A | 24V/2.9A | 24V/3.8A | 24V/2.6A | |
| NXT-100-1007 | 28V/3.6A | 28V/2.5A | 28V/3.2A | 28V/2.3A | |
| NXT-100-1008 | 48V/2.1A | 48V/1.5A | 48V/1.9A | 48V/1.4A | |

Please refer to Output Power Derating chart.

ORDERING INFORMATION

Consult factory for alternate output configurations. Please specify the following optional features when ordering:

| CH - Chassis |
|--------------|
|--------------|

CO - Cover LS - Single Wire Load Sharing LSEVB - Load Share Evaluation Board RE - Remote Inhibit

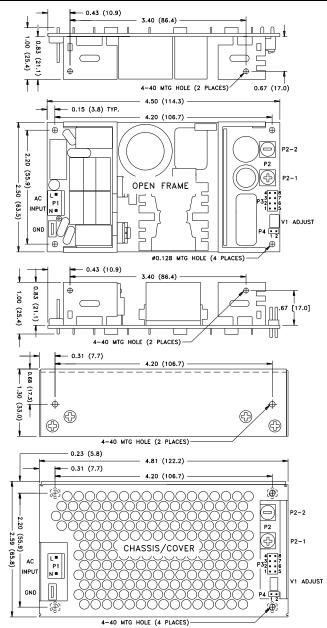
All specifications are maximum at 25°C/100W unless otherwise stated, may vary by model and are subject to change without notice.

NXT-100

| | 70W Convection Cooled, Open Frame |
|--|---|
| Output Power at 50°C ₍₁₎ (See Derating Chart) | 70W Convection Cooled, Open Frame 100W 300LFM Forced-Air Cooled(15) |
| Power Derating | 1.0 Wout / 1 Vin below 100 Vin |
| Voltage Centering | ± 0.5% (50% load) |
| Voltage Adjust Range | 95-105% |
| Load Regulation | 0.5% (0-100% load change) |
| Source Regulation | 0.5% |
| Noise | 1.0% or 100mV Whichever is greater |
| Turn on Overshoot | None |
| Transient Response | Output recovers to within 1% of initial set point due |
| | to a 50% step load change, 500µS maximum, 4% maximum deviation. |
| Overvoltage Protection | Latching, between 110% and 150% of rated output |
| ever verage i retection | voltage. |
| Overpower Protection | 110-130% rated Pout, cycle on/off, auto recovery |
| Hold Up Time | 16ms min., Full Power, 85-264V Input |
| Start Up Time | 3 Seconds, 120V Input |
| INPU | UT SPECIFICATIONS |
| Protection Class | |
| Source Voltage | 85 – 264 Volts AC |
| Frequency Range | 47 – 63 Hz |
| Input Protection ₍₆₎ Peak Inrush Current | Internal 2.5A Time Delay fuse |
| Efficiency | 50A (cold) 85% Typical, Full Power varies by model |
| Power Factor | 0.95 (Full Power, 230V), 0.98 (Full Power, 120V) |
| | MENTAL SPECIFICATIONS |
| Ambient Operating | 0°C to + 70°C |
| Temperature Range | Derating: See Power Rating Chart |
| Ambient Storage Temp. Range | - 40°C to + 85°C |
| Operating Relative Humidity Range | |
| Altitude | 3000m ASL Operating |
| | 12,192m ASL Non-Operating |
| Temperature Coefficient | 0.02%/°C |
| Vibration | 2.5g, 10Hz2KHz per MIL-STD-810F Method 514.5 |
| Shock | 20g, peak per MIL-STD-810F Method 514.5 |
| | RAL SPECIFICATIONS |
| Means of Protection | 2MODD (Magna of Datiant Protostian) |
| Primary to Secondary Primary to Ground | 2MOPP (Means of Patient Protection) 1MOPP (Means of Patient Protection) |
| Secondary to Ground | Operational Insulation(Consult factory for 1MOPP) |
| Dielectric Strength(8, 9) | |
| Reinforced Insulation | 5656 VDC, Primary to Secondary |
| Basic Insulation | 2121 VDC, Primary to Ground |
| Operational Insulation | 707 VDC, Secondary to Ground |
| Leakage Current | |
| | -200A NC |
| Earth Leakage | <300µA NC, <1000µA SFC |
| Touch Current | <100µA NC, <500µA SFC |
| | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum |
| Touch Current Power Fail Signal ₍₁₄₎ | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. |
| Touch Current | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses |
| Touch Current Power Fail Signal _{(14) Remote Inhibit (optional)₍₂₀₎ Load Share (optional)_(16, 17, 18) Remote Sense₍₁₀₎ Mean-Time Between Failures} | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover |
| Touch Current Power Fail Signal _{(14) Remote Inhibit (optional)₍₂₀₎ Load Share (optional)_(16, 17, 18) Remote Sense₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION} | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover S (IEC 60601-1-2:2014, 4TH ed./IEC 61000-6-2:2005) |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover IS (IEC 60601-1-2:2014, 4 TH ed./IEC 61000-6-2:2005) EN 61000-4-2 ±8KV contact / ±15KV air discharge |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal(14) Remote Inhibit (optional)(20) Load Share (optional)(16, 17, 18) Remote Sense(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal _{(14) Remote Inhibit (optional)₍₂₀₎ Load Share (optional)_(16, 17, 18) Remote Sense₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity} | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover S (IEC 60601-1-2:2014, 4 TH ed./IEC 61000-6-2:2005) EN 61000-4-2 ±8KV contact / ±15KV air discharge A EN 61000-4-3 80MHz-2.7GHz, 10V/m, 80% AM EN 61000-4-4 ±2 KV, SKHz/100KHz EN 61000-4-5 ±2 KV line to earth / ±1 KV line to line A EN 61000-4-8 30A/m, 60 Hz. EN 61000-4-1 0% UT, 0.5 cycles, 0-315° 100/240V A/A |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover S (IEC 60601-1-2:2014, 4TH ed./IEC 61000-6-2:2005) EN 61000-4-2 ±8KV contact / ±15KV air discharge A EN 61000-4-3 80MHz-2.7GHz, 10V/m, 80% AM A EN 61000-4-5 ±2 KV line to earth / ±1 KV line to line A EN 61000-4-8 30A/m, 60 Hz. EN 61000-4-8 100/Hz EN 61000-4-11 0% UT, 0.5 cycles, 0-315° 100/240V A/A 0% UT, 1 cycles, 0° 100/240V A/A |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover S (IEC 60601-1-2:2014, 4™ ed./IEC 61000-6-2:2005) EN 61000-4-2 ±8KV contact / ±15KV air discharge A EN 61000-4-3 80MHz-2.7GHz, 10V/m,80% AM A EN 61000-4-5 ±2 KV line to earth / ±1 KV line to line A EN 61000-4-6 0.15 to 80MHz, 10V, 80% AM A EN 61000-4-8 30A/m, 60 Hz. EN 61000-4-11 0% UT, 0.5 cycles, 0° 100/240V A/A 0% UT, 10/12 cycles, 0° 100/240V B/A |
| Touch Current Power Fail Signal(14) Remote Inhibit (optional)(20) Load Share (optional)(16, 17, 18) Remote Sense(10) Mean-Time Between Failures Weight EMCESPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips | <100µA NC, <500µA SFC Logic low with input power failure 10 ms minimum prior to output 1 dropping 1%. Connection to external 5V bias inhibits output. Single wire current sharing with return via negative sense return. Minimum current share load is 10% of each module's output current rating. Maximum output voltage deviation between modules is 5% for 2.5 through 5 V models and 400 mV for remaining models. 400mV compensation of output cable losses 100,000 Hours, MIL-HDBK-217F, 25° C, GB 0.56 Lbs. Open Frame/ 0.96 Lbs. Chassis and Cover S (IEC 60601-1-2:2014, 4TH ed./IEC 61000-6-2:2005) EN 61000-4-2 ±8KV contact / ±15KV air discharge A EN 61000-4-3 80MHz-2.7GHz, 10V/m, 80% AM EN 61000-4-4 ±2 KV, 5KHz/100KHz A EN 61000-4-5 ±2 KV line to earth / ±1 KV line to line A EN 61000-4-8 30A/m, 60 Hz. A EN 61000-4-8 30A/m, 60 Hz. A EN 61000-4-11 0% Ur, 10.5 cycles, 0° 100/240V A/A 40% Ur, 10/12 cycles, 0° 100/240V B/A A |
| Touch Current Power Fail Signal(14) Remote Inhibit (optional)(20) Load Share (optional)(16, 17, 18) Remote Sense(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Voltage Dips | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal ₍₁₄₎ Remote Inhibit (optional) ₍₂₀₎ Load Share (optional) _(16, 17, 18) Remote Sense ₍₁₀₎ Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Magnetic Field Immunity Voltage Dips Voltage Interruptions Radiated Emissions | <100µA NC, <500µA SFC |
| Touch Current Power Fail Signal(14) Remote Inhibit (optional)(20) Load Share (optional)(16, 17, 18) Remote Sense(10) Mean-Time Between Failures Weight EMCSPECIFICATION Electrostatic Discharge Radiated Electromagnetic Field Electrical Fast Transients/Bursts Surge Immunity Conducted Immunity Voltage Dips | <100µA NC, <500µA SFC |



NXT-100 SERIES MECHANICAL SPECIFICATIONS



ALL DIMENSIONS IN INCHES (mm)

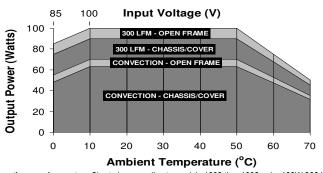
CONNECTOR SPECIFICATIONS

| P1 LINE NEUTRAL | AC Input | 0.156 friction lock header mates with Molex 09-50-3031 or equivalent crimp terminal housing with Molex 2478 or equivalent crimp terminal. | | | | | |
|---|------------------------|---|--|--|--|--|--|
| P2 OUTPUT 1 (+) 1 ⊕ ⊖2 OUTPUT 1 (-) | DC Output | 6-32 screw down terminal mates with #6 ring tongue terminal. (10 in-lb Max) | | | | | |
| P3 SENSE (+) 4 ● 8 OUTPUT 1 (+) SENSE (-) 3 ● 7 OUTPUT 1 (-) ENABLE 2 ● 6 P.F. RTN SENSE (-) 1 ● 5 P.F. SIG (+) | Power Fail, Sense | 0.100 friction lock header mates with Molex 22-55-2081 or equivalent crimp terminal housing with Molex 71851 or crimp equivalent terminal. | | | | | |
| P4 SHARE BUS 1 • 2 INHIBIT | Inhibit, Load Share | 0.100 friction lock header mates with Molex 50-57-9002 or equivalent crimp terminal housing with Molex 71851 or equivalent crimp terminal. | | | | | |
| | Ground | 0.187 quick disconnect terminal. | | | | | |

APPLICATIONS INFORMATION

- 1. Continuous Output Power must not exceed 100W.
- Generally, adequate cooling is provided when semiconductor case temperatures do not exceed 70°C rise and transformer temperature does not exceed 60°C rise at any specified ambient temperature.
- Sufficient area must be provided around power supply to allow natural movement of air to develop in convection-cooled applications.
- 4. This product is intended for use as a professionally-installed component within information technology, industrial, and medical equipment and is not intended for stand-alone operation.
- A minimum load of 10% is required on Output 1 to ensure proper regulation of remaining outputs.
- This product includes only one fuse in the input circuit. In consideration of clause 8.11.5 of IEC 60601-1:2005, a second fuse may be required in neutral conductor of the end product.
- Peak-to-Peak Output Ripple and Noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip (tip-and-barrel method), 20MHz bandwidth.
- 8. This product was type-tested and safety-certified using the dielectric strength test voltages listed in Table 6 of IEC 60601-1:2005. In consideration of Clause 8.8.3, care must be taken to insure that the voltage applied to a reinforced insulation does not overstress different types and levels of insulation. Primary and secondary-to-ground capacitors may need to be disconnected prior to performing a dielectric strength test on the power supply or the end product. It is highly recommended that the DC test voltages listed in DVB.1, Annex DVB of UL 60601-1 1st Edition are not exceeded during a production-line dielectric strength test of the assembled end product. Please consult factory for further information.
- This power supply has been safety-approved and final-tested using a DC dielectric strength test. Please consult factory before performing an AC dielectric strength test.
- Remote-Sense terminals may be used to compensate for cable losses up to 400mV depending on model. The use of a twisted pair, decoupling capacitors and an appropriately-rated lowimpedance capacitor connected across the load will increase noise immunity.
- Maximum screw penetration into bottom chassis mounting holes is 0.100 inches. Maximum screw penetration into side chassis mounting holes is 0.250 inches.
- 12. To comply with emissions specifications, all four mounting hole pads must be electrically connected to a common metal chassis. Chassis/Cover option is recommended. Refer to Operating Instructions for additional information.
- Common RF shielding precautions may need to be taken to assure emissions compliance. Refer to Operating Instructions for additional information.
- Power Fail (AC-Good) feature provides a logic-low warning signal from an open collector transistor output 10ms prior to loss of output from AC failure.
- 15. 300LFM of airflow must be maintained one inch above the top of the heatsinks in any direction in open-frame forced-air applications; and one inch above and toward any of the three perforated sides of the cover in forced-air Chassis/Cover applications.
- 16. Low forward-voltage-drop oring diodes must be used in all load-sharing applications in 2.5 through 15V models. Oring diodes must be used on 24 through 48V models used in fault-tolerant applications but are optional in power-boosting applications. Oring diode power dissipation must be subtracted from the maximum output-power rating of each model.
- 17. Current-carrying conductors in load-sharing applications must be short and symmetrical.
- Refer to Load-Share Evaluation Board data sheet for additional load-share applications information.
- P3-2 Load Share Enable and P4-2 Remote Inhibit will share a common negative return pin P3-1.
- 20. Remote Inhibit option will require an outside TTL compatible source.

MAX Pout vs. AMBIENT TEMPERATURE/INPUT VOLTAGE



Derating requirements – Chart above applies to models 1003 thru 1008 only. 100W 300 LFM forced air, open frame. 70W convection cooled open frame. Derate 10% with Chassis and Cover. Derate 1.0Wout / 1VIN below 100VIN and between 100VIN and 85VIN. Use larger of the two deratings when using chassis/cover below 100VIN. Derate output power linearly to 50% between 50° and 70°C.

TYPICAL LOAD SHARE/REMOTE SENSE APPLICATION

