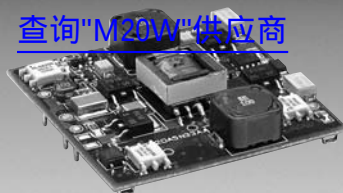


查询"M20W"供应商



BOURNS®

Features

- 20 watt output power
- Independently regulated outputs
- Open-frame design
- 85 % efficiency
- 500 V isolation
- Overvoltage protection
- Fast transient response
- Short-circuit protection
- Remote enable
- Industry-standard pin-out
- UL 1950
- Bellcore 1089
- CISPR 22 Class A
- EN60950

M20W Series – Power Module

Electrical Specifications

Nominal Input.....48 V
Output Voltage.....5 & 3.3 V
Output Current.....3.5 & 5.5 A
Ripple + Noise (mV pkpk) typ.30 & 20
Efficiency (typ.)87 %

Input Specifications

Voltage36 VDC Min.
48 VDC Nom.
75 VDC Max.
40 V at Startup
Undervoltage Lockout35 VDC
Inrush Current1 A @ 75 Vin Max.
Remote Enable
High = Enable.....2 VDC Min.
Low = Disable1 VDC Max.
E/D Current1 mA
Isolation Voltage500 V Input to Output

Output Specifications

Power0 to 20 W
Current
3.3 V0.9 to 4.5 A
5 V0.6 to 3 A
OCP Trip Point150 % I_{max}
Voltage Setpoint Accuracy.....±2 % V_{nom}
Line Regulation±0.1 % V_{nom}
Load Regulation
.....±0.1 % V_{nom} (3.3 V_{out})
.....±0.6 % V_{nom} (5 V_{out})
Dynamic Response
3.3 V Output, ±1.5 A step
.....50 mV (Di/Dt = 1 A/μs)
.....60 μs (Di/Dt = 1 A/μs)
5 V output, ±1 A step
.....50 mV (Di/Dt = 1 A/μs)
.....300 μs (Di/Dt = 1 A/μs)
Temperature Regulation.....±0.2 % V_{out}/°C

General Specifications

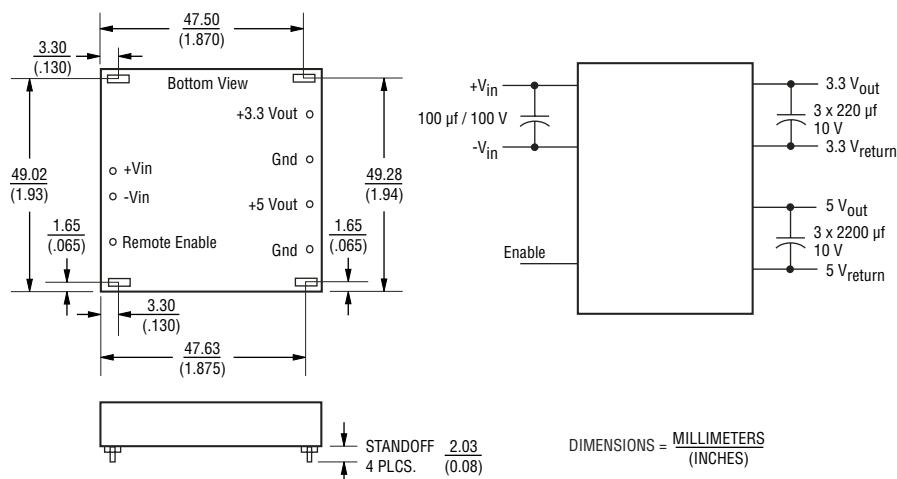
MTBF3,400 kHrs Full Power, 40 °C
Operating Temperature.....-40 to +85 °C
Full Power, 200 LFM
Storage Temperature.....-55 to +125 °C
Switching Frequency300 kHz
Weight26 gm

General Information

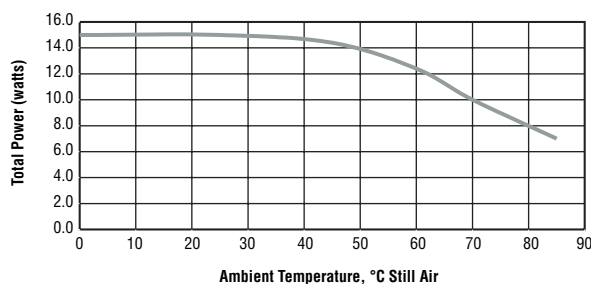
The M20W power module is a member of Bourns industrial temperature range, dual-output family. The system designer obtains flexibility in choosing 5 V and 3.3 V components based on the ability of the module to supply either voltage over a wide power range to the load. The output voltages are tightly and independently

regulated, thus eliminating the common problem of cross regulation errors between the outputs. The M20W is capable of 20 W combined output power. The module is designed with Bourns' resonant primary and synchronous secondary topology for enhanced reliability and high efficiency, allowing high-temperature operation.

Product Dimensions



Temperature Derating



How to Order

M 20W -48 D 5-3-3

Configuration _____
M = Module
Current/Power (Watts) _____
Input Voltage (Volts) _____
Outputs _____
D = Dual
Output Voltage (Volts) _____

[查询"M20W"供应商](#)



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