

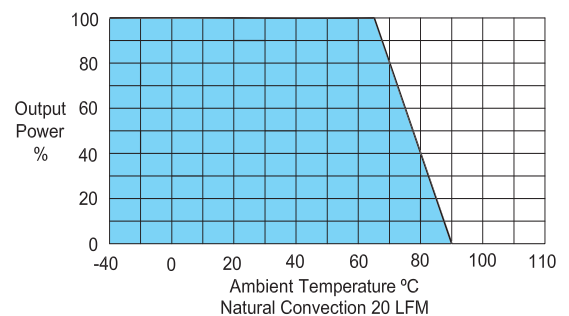
See Model Selection Table for Model Specific Parameters

Input Parameters	Min	Typ	Max	Units
Short Circuit Input Power			2500	mW
Start Voltage			4.5	VDC
12 Vin			9	
24 Vin			18	
48 Vin				
Under Voltage Shutdown			4	VDC
12 Vin			85	
24 Vin			17.5	
48 Vin				
Switching Frequency	100			kHz
Input Filter	Capacitor Type			
Output Parameters	Min	Typ	Max	Units
Output Voltage Accuracy			±2.0	%Vnom
Output Voltage Balance Dual Output, Balanced Loads		±1.0	±2.0	%
Load Regulation Io = 0% to 100%		±0.5	±1.0	%
Line Regulation Vin=Min. to Max.		±0.3	±0.5	%
Minimum Load	None Required			
Ripple & Noise (20MHz)			100	mV P-P
Transient Recovery Time 25% Load Step Change		500		µS
Transient Response 25% Load Step Change		±3	±5	%
Temperature Coefficient		±0.01	±0.02	% / °C
Short Circuit Protection	Continuous			
General Specifications	Min	Typ	Max	Units
Isolation Voltage, 60 seconds	1500			VDC
Isolation Resistance 500VDC	1000			Mohms
Isolation Capacitance, 100kHz, 1V		250		pF
Operating Temperature (Ambient)	-40		+75	°C
Case Temperature			+90	°C
Storage Temperature	-55		+125	°C
Humidity			95	%
MTBF MIL-HDBK-217F @25°C, Ground Benign	2.4			M Hours
Cooling	Free-Air Convection			
Case Size	0.86 x 0.37 x 0.44 inches 21.8x 9.3 x 11.2 mm			
Case Material	Non Conductive Black Plastic (UL94V-0)			
Weight	4.8g			
Agency Approvals	CSA 60950-1			

Remote On/Off	Min	Typ	Max	Units
Converter On	Open or High Impedance			
Converter Off	2-4 mA current applied via 1 Kohm resistor			
Device Standby Input Current Device off & Nominal Vin		2.5		mA
Control Common	Referenced to Negative Logic			

Notes:

- Specifications typical at Ta=+25°C, resistive load, nominal input voltage, full rated output current unless otherwise noted.
- Transient recovery time is measured to within 1% error band for a step change in output load 75% to 100%.
- The series has a limitation of a maximum connected capacitance at the output. The power module may be operated in current limiting mode during start-up, affecting the ramp-up and the startup time.
- When measuring peak-to-peak output noise, use a Cout 0.47µF ceramic capacitor. Scope measurement should be made by using a BNC socket, measurement bandwidth is 0-20MHz. Position the load between 2" and 2.5" from the converter.
- Water washability - ConTech DC/DC converters are designed to withstand most solder/wash processes. Careful attention should be used when assessing the applicability in your specific manufacturing process. Converters are not hermetically sealed.
- See ConTech website for Definition of Terms, Application Notes, and Test Setups and Parameters. www.ConTech-us.com/appnotes.html.
- Specifications subject to change without notice.
- See ConTech website www.ConTech-us.com/pdf/rohs.pdf for RoHS Statement.



Derating Curve

To avoid exceeding the maximum temperature rating of the components inside the power module, the case temperature must be kept below 90°C.