

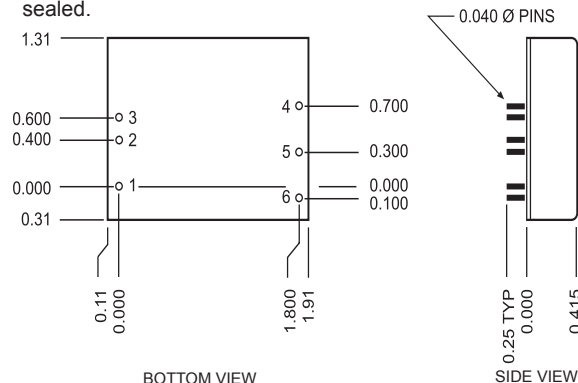
Output Parameters (1)						
Model		48S5.6000MH	48S5.6000MHW	48S12.2500MH	48S12.2500MHW	Units
Output Voltage		5	5	12	12	VDC
Output Voltage Accuracy	MIN	4.95	4.95	11.88	11.88	VDC
	TYP	5.00	5.00	12.00	12.00	
	MAX	5.05	5.05	12.12	12.12	
Rated Load Range (3)	MIN	0.60	0.60	0.25	0.25	ADC
	MAX	6.00	6.00	2.50	2.50	
Load Regulation 1/4 FL- FL	TYP	0.1				%
	MAX	1				
Line Regulation Vin = Min - Max VDC	TYP	0.02				%
	MAX	0.1				
Load Transient Recovery Time (1) error band = ± 1%	TYP	500				µs
Load Transient Overshoot	TYP	150				mV peak
Noise (4) bw = 0 - 20 MHz	TYP	1%				mV P-P
Short Circuit Protection Output to Common	Continuous					

Output Parameters (1)						
Model		48S15.2000MH	48S15.2000MHW	48S24.1250MH	48S24.1250MHW	Units
Output Voltage		15	15	24	24	VDC
Output Voltage Accuracy	MIN	14.85	14.85	23.76	23.76	VDC
	TYP	15.00	15.00	24.00	24.00	
	MAX	15.15	15.15	24.24	24.24	
Rated Load Range (3)	MIN	0.20	0.20	0.125	0.125	ADC
	MAX	2.00	2.00	1.25	1.25	
Load Regulation 1/4 FL- FL	TYP	0.1				%
	MAX	1				
Line Regulation Vin = Min - Max VDC	TYP	0.02				%
	MAX	0.1				
Load Transient Recovery Time (1) error band = ± 1%	TYP	500				µs
Load Transient Overshoot	TYP	300				mV peak
Noise (4) bw = 0 - 20 MHz	TYP	1%				mV P-P
Short Circuit Protection Output to Common	Continuous					

Notes:

- Refer to the CALEX Application Notes for the definition of terms, measurement circuits, and other information.
- See CALEX Application Notes to determine the correct fuse. A fuse is required only for system protection, but must be used for reverse voltage protection of the input.
- Below the minimum rated load, the output may exhibit noise performance degradation. Operation with less than the minimum rated load will not damage unit, and DC regulation is not significantly affected.
- Noise is measured per CALEX Application Notes. Output noise is measured with a 10 µF tantalum capacitor and a 0.01 µF ceramic capacitor connected across the output pins.
- Load Transient Overshoot is the output voltage peak amplitude referenced to the final value due to a step load change of 50-75% occurring only on the measured output. "Load Transient Overshoot" and "Dynamic Response" are the same specification. Load Transient Recovery Time is the time for the output to return to within the specified voltage error band centered about the final value. "Load Transient Recovery Time" and "Transient Response" are the same specification.
- The case thermal impedance is specified as the case temperature rise over ambient per package watt dissipated.
- Specifications subject to change without notice.

- Water Washability - Calex 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.



Mechanical Tolerances unless otherwise noted:	
X.XX dimensions:	±0.020 inches
X.XXX dimensions:	±0.005 inches

Pin	Function
1	ON/OFF
2	-INPUT
3	+INPUT
4	+OUTPUT
5	-OUTPUT
6	TRIM