



20 WATT RUGGEDIZED DC-DC CONVERTERS OFFER WIDE SELECTION OF DUAL OUTPUTS AND 461F EMI PERFORMANCE



FEATURES/BENEFITS

- **Self-contained DC-DC Converter:** Fully Functional; Needs No Additional External Capacitors or Components
- **6 Sided Metal Case:** Shields Against Radiated Emissions and Susceptibility
- **Internal Multi-mode EMI Filter:** Limits Conducted Emissions to MIL-STD-461F Requirements
- **200kHz Current Mode Flyback Topology:** Fully Regulated Output With Low Ripple and Fast Transient Response Time
- **On-Off Control Function:** Simple Logic Level Input Inhibits Output
- **Output Voltage Adjust Function:** User Adjustable Vout in +/- 10% Increments Via External Resistor
- **Output Voltage Selection:** Other Output Voltages/Combinations May Be Specified; Consult Factory
- **Short Circuit Limited:** Protected Against Output Overloads and Short Circuits
- **Fully Isolated:** Inputs to Outputs and Case 500VDC, Outputs to Case 100VDC
- **Outputs Isolated:** Isolated Returns Between Output A and B
- **Transients Tolerant:** Works Through 80V Input Transients MIL-STD-704A
- **Compact, Encapsulated Construction:** Small Footprint with Long Life and Reliable Operation in Severe Operational Environments
- **Two Grades Available:** Economical, Effective Tailoring to Applications Requirements

369

MODEL: 369 28VDC
INPUT RANGE : 16-80VDC

SELECT ANY COMBINATION OF OUTPUTS A AND B

OUTPUT A

PARAMETER	CONDITION	UNITS	OUTPUTS				
Vout	Setpoint +/- 2%	DC Volts	3.3	5.0	7.5	12	15
Iout	Vin min-max	Amperes	3.3	2.00	1.33	0.8	0.67
Efficiency	Rated Load	Percent Min	75	75	76	78	78
Line Reg	Vin min-max	mV max	40	40	50	50	75
Load Reg	10% to Rated Load	mV max	50	50	100	120	150
Vout Ripple	Rated Load, 20MHz BW	mVpp max	100	100	120	150	220

OUTPUT B

PARAMETER	CONDITION	UNITS	OUTPUTS							
Vout	Setpoint +/- 2%	DC Volts	0.8	1.0	1.2	1.5	1.8	2.0	2.5	3.3
Iout	Vin min-max	Amperes	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.3

28VDC INPUT DC-DC CONVERTERS

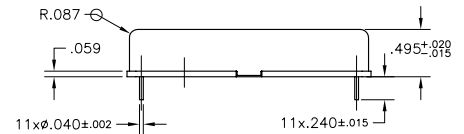
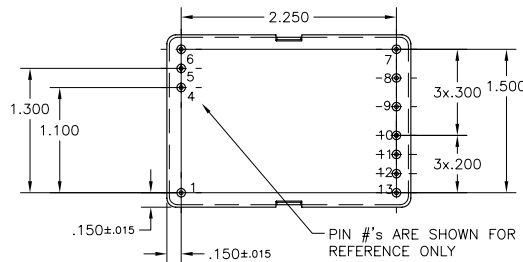
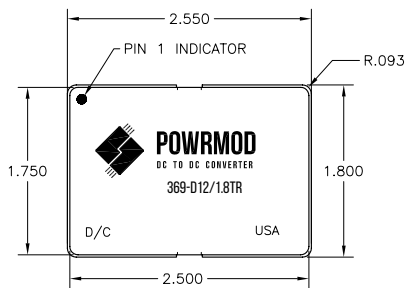


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MECHANICAL SPECIFICATIONS

Size	2.55 L x 1.80 W x .495 H inch
Enclosure	Full metal, CRS
Construction	Encapsulated sealed
Pins	.040 alloy
Weight	65g typical
Mounting	Thru-Hole PWB (TH) or Chassis (CH) mount, any orientation provided baseplate is heatsunk



PIN FUNCTIONS

	1	2	3	4	5	6	7	8	9	10	11	12	13
Function for Dual Outputs	On-Off Control	NU	NU	Case	Vin Rtn	Vin +	Output A	Output A Rtn	Output B Rtn	Output B	NC	NC	Case

DATA 25°C BASEPLATE PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PART NUMBERING CONSTRUCTION KEY SELECT ANY COMBINATION OF OUTPUTS A AND B

MODEL	OUTPUT TYPE & VOLTAGE	ENCLOSURE	GRADE	
369	OUTPUT A	MOUNTING T = THRU HOLE C = CHASSIS	GRADE LEVEL C = COMMERCIAL R = RUGGED	
	OUTPUT B			
	D3.3			/0.8
	D5.0			/1.0
	D7.5			/1.2
	D12			/1.5
	D15			/1.8
				/2.0
				/2.5
				/3.3

EXAMPLE: 369-D12/1.8TR