



376

MODEL: 376 5VDC

INPUT RANGE : 4.5-5.5VDC

FEATURES/BENEFITS

- **Three Terminal Buck POL Regulator:** Optimally Functional With External Capacitors
- **6 Sided Metal Case:** Shields Against Radiated Emissions and Susceptibility
- **200kHz Current Mode Control:** Fully Regulated Output With Low Ripple and Fast Transient Response Time
- **On-Off Control Function, Each Output:** Connecting Input to VinRTN Inhibits Each Output Independently
- **Non-Isolated I/O:** For Intermediate Bus Applications
- **Short Circuit Limited:** Protected Against Output Overloads and Short Circuits
- **Compact, Encapsulated Construction:** Small Footprint with Long Life and Reliable Operation in Severe Operational Environments
- **Two Grades Available:** Economical, Effective Tailoring to Applications Requirements
- **Other Outputs:** Other Secondary Output Voltages/Combinations Available. Consult Factory.

SELECT ANY COMBINATION OF OUTPUTS A, B AND C

OUTPUT A

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	10	10	10	10	10	10	8.00	6.00
Efficiency	Rated Load	Percent Min	79	80	81	82	83	84	85	86
Line Reg	Vin min-max	mV max	20	20	20	20	20	20	20	20
Load Reg	10% to Rated Load	mV max	20	20	20	20	30	30	30	30
Vout Ripple	Rated Load, 20MHz BW	mVpp max	30	30	30	30	30	40	40	40

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

OUTPUT C

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

5VDC INPUT POINT OF LOAD REGULATORS



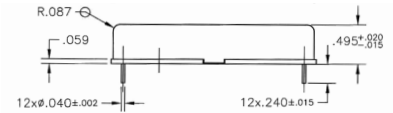
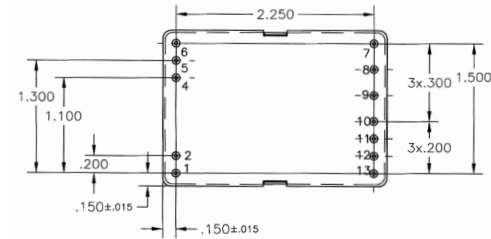
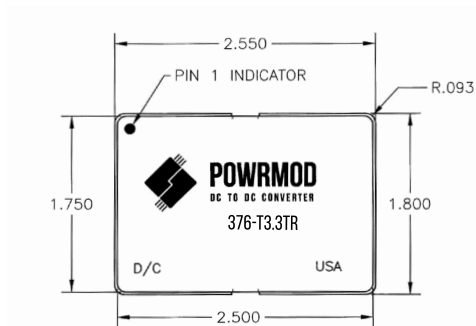
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INPUT RANGE : 4.5-5.5VDC

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 Single Outputs	Case	Cmn Rtn	NU	On-Off Ctrl Vout A	On-Off Ctrl Vout B	On-Off Ctrl Vout C	Vin Rtn	Vin +	Cmn Rtn	Cmn Rtn	Output A	Output B	Output C

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

PART NUMBERING CONSTRUCTION KEY

SELECT ANY COMBINATION OF OUTPUTS A, B AND C

MODEL	OUTPUT TYPE & VOLTAGE			ENCLOSURE	GRADE
376	OUTPUT A	OUTPUT B	OUTPUT C	MOUNTING	GRADE LEVEL
	T0.8	/0.8	/0.8	T = THRU HOLE	C = COMMERCIAL
	T1.0	/1.0	/1.0	C = CHASSIS	R = RUGGED
	T1.2	/1.2	/1.2		
	T1.5	/1.5	/1.5		
	T1.8	/1.8	/1.8		
	T2.0	/2.0	/2.0		
	T2.5	/2.5	/2.5		
	T3.3	/3.3	/3.3		

EXAMPLE: 376-T3.3TR