

100 TO 900 VDC OUTPUT

100 to 900 Volts DC Output
Positive or Negative VDC Output
Proportional to Input VDC
Up to 10 Watts
High Efficiency

This VV Series of single output, isolated proportional DC-DC Converters are manufactured in a miniature encapsulated package. The Series features a Plug-In version for all units. The operating temperature range is -25° C to +70° C.

- **TYPICAL CHARACTERISTICS:**

-

Output Temperature Coefficient (typ.): 0.02%/°C

Safety Note: The high voltage power supplies described in this datasheet generate voltages which can be lethal. They should only be installed and used by personnel who have received the appropriate training and who are fully aware of the hazards that exist.

- Per Mil. Std. 883
- Expanded operating temp. (-40° C to +85° C)
- Stabilization Bake (at 125° C ambient)
- Temperature Cycle (between -55° C to +125° C)
- Hi Temperature burn in Cycle
- Vibration, Shock, Humidity, and Altitude
- **Consult factory for your particular requirements**

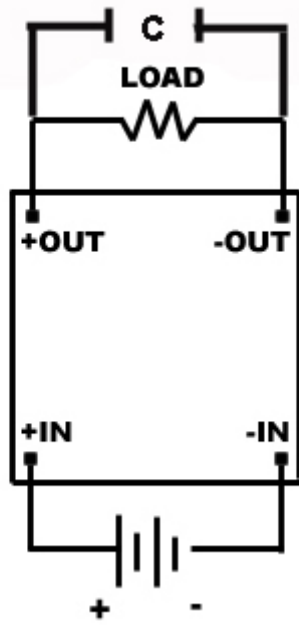
PICO Part Number	Input Voltage Range (VDC)		** Maximum Load Current (mA)	5% Minimum Load Current (mA)	Output Voltage Range (VDC)		Max. Output Power (Watts)	Typical Efficiency @ Full Load at Max VIN (%)	* Typical Ripple @ Full Load (%)	Price (US \$)
	Min	Max			Min VIN	Max VIN				

5VV0.1	3.5	5	60.0	3.00	47	100	6	74	5	128.29
5VV0.2	3.5	5	30.0	1.50	55	200	6	74	3	140.06
5VV0.3	3.5	5	20.0	1.00	60	300	6	74	3	151.83
5VV0.4	3.5	5	15.0	0.75	65	400	6	74	3	163.60
5VV0.5	3.5	5	12.0	0.60	70	500	6	74	3	175.71
5VV0.6	3.5	5	10.0	0.50	75	600	6	74	3	180.01
5VV0.7	3.5	5	8.6	0.43	78	700	6	74	3	201.18
5VV0.8	3.5	5	7.5	0.38	80	800	6	74	3	215.26
5VV0.9	3.5	5	6.7	0.33	85	900	6	74	3	230.32
9VV0.1	4.0	9	70.0	3.50	30	100	7	74	5	128.29
9VV0.2	4.0	9	35.0	1.75	60	200	7	74	3	140.06
9VV0.3	4.0	9	23.3	1.17	90	300	7	74	3	151.83
9VV0.4	4.0	9	17.5	0.88	120	400	7	74	3	163.60
9VV0.5	4.0	9	14.0	0.70	150	500	7	74	3	175.71
9VV0.6	4.0	9	11.7	0.58	205	600	7	74	3	188.01
9VV0.7	4.0	9	10.0	0.50	240	700	7	74	3	201.18
9VV0.8	4.0	9	8.8	0.44	274	800	7	74	3	215.26
9VV0.9	4.0	9	7.8	0.39	308	900	7	74	3	230.32
12VV0.1	4.0	12	80.0	4.00	30	100	8	82	5	128.29
12VV0.2	4.0	12	40.0	2.00	60	200	8	82	3	140.06
12VV0.3	4.0	12	26.7	1.33	90	300	8	82	3	151.83
12VV0.4	4.0	12	20.0	1.00	120	400	8	82	3	163.60
12VV0.5	4.0	12	16.0	0.80	150	500	8	84	3	175.71
12VV0.6	4.0	12	13.3	0.67	176	600	8	84	3	188.01
12VV0.7	4.0	12	11.4	0.57	205	700	8	84	3	201.18
12VV0.8	4.0	12	10.0	0.50	235	800	8	84	3	215.26
12VV0.9	4.0	12	8.9	0.44	264	900	8	84	3	230.32
15VV0.1	5.0		85.0	4.25	30	100	8.5	82	5	128.29
15VV0.2	5.0	15	42.5	2.13	60	200	8.5	82	3	140.06
15VV0.3	5.0	15	28.3	1.42	90	300	8.5	82	3	151.83
15VV0.4	5.0	15	21.3	1.06	120	400	8.5	83	3	163.60
15VV0.5	5.0	15	17.0	0.85	150	500	8.5	83	3	175.71
15VV0.6	5.0	15	14.2	0.71	176	600	8.5	83	3	180.01
15VV0.7	5.0	15	12.1	0.61	205	700	8.5	83	3	201.18
15VV0.8	5.0	15	10.6	0.53	235	800	8.5	83	3	215.26
15VV0.9	5.0	15 15	9.4	0.47	264	900	8.5	83	3	230.32
24VV0.1	6.0	24	90.0	4.50	23	100	9	83	5	128.29
24VV0.2	6.0	24	45.0	2.25	48	200	9	83	3	140.06
24VV0.3	6.0	24	30.0	1.50	70	300	9	83	3	151.83
24VV0.4	6.0	24	22.5	1.13	95	400	9	83	3	161.60
24VV0.5	6.0	24	18.0	0.90	100	500	9	83	3	175.71
24VV0.6	6.0	24	15.0	0.75	132	600	9	83	3	188.01
24VV0.7	6.0	24	12.9	0.64	154	700	9	83	3	201.18
24VV0.8	6.0	24	11.3	0.56	176	800	9	83	3	215.26
24VV0.9	6.0	24	10.0	0.50	198	900	9	83	3	230.32
28VV0.1	7.0	28	100.0	5.00	23	100	10	83	5	128.29
28VV0.2	7.0	28	50.0	2.50	48	200	10	83	3	140.06
28VV0.3	7.0	28	33.3	1.67	70	300	10	83	3	151.83
28VV0.4	7.0	28	25.0	1.25	95	400	10	83	3	163.60
28VV0.5	7.0	28	20.0	1.00	120	500	10	83	3	175.71
28VV0.6	7.0	28	16.7	0.83	132	600	10	83	3	188.01
28VV0.7	7.0	28	14.3	0.71	154	700	10	83	3	201.18
28VV0.8	7.0	28	12.5	0.63	176	800	10	83	3	215.26
28VV0.9	7.0	28	11.1	0.56	198	900	10	83	3	230.32
48VV0.1	14.0	48	80.0	4.00	27	100	8	81	5	128.29
48VV0.2	14.0	48	40.0	2.00	50	200	8	81	3	140.06
48VV0.3	14.0	48	26.7	1.33	73	300	8	81	3	151.83
48VV0.4	14.0	48	20.0	1.00	98	400	8	81	3	163.60
48VV0.5	14.0	48	16.0	0.80	140	500	8	84	3	175.71
48VV0.6	14.0	48	13.3	0.67	154	600	8	84	3	188.01
48VV0.7	14.0	48	11.4	0.57	180	700	8	84	3	201.18
48VV0.8	14.0	48	10.0	0.50	205	800	8	84	3	215.26
48VV0.9	14.0	48	8.9	0.44	208	900	8	84	3	230.32
* All units require a 0.1uF, 2KV ceramic capacitor across the output ** Unit is capable of sourcing Maximum Load Current over entire Input Voltage Range										

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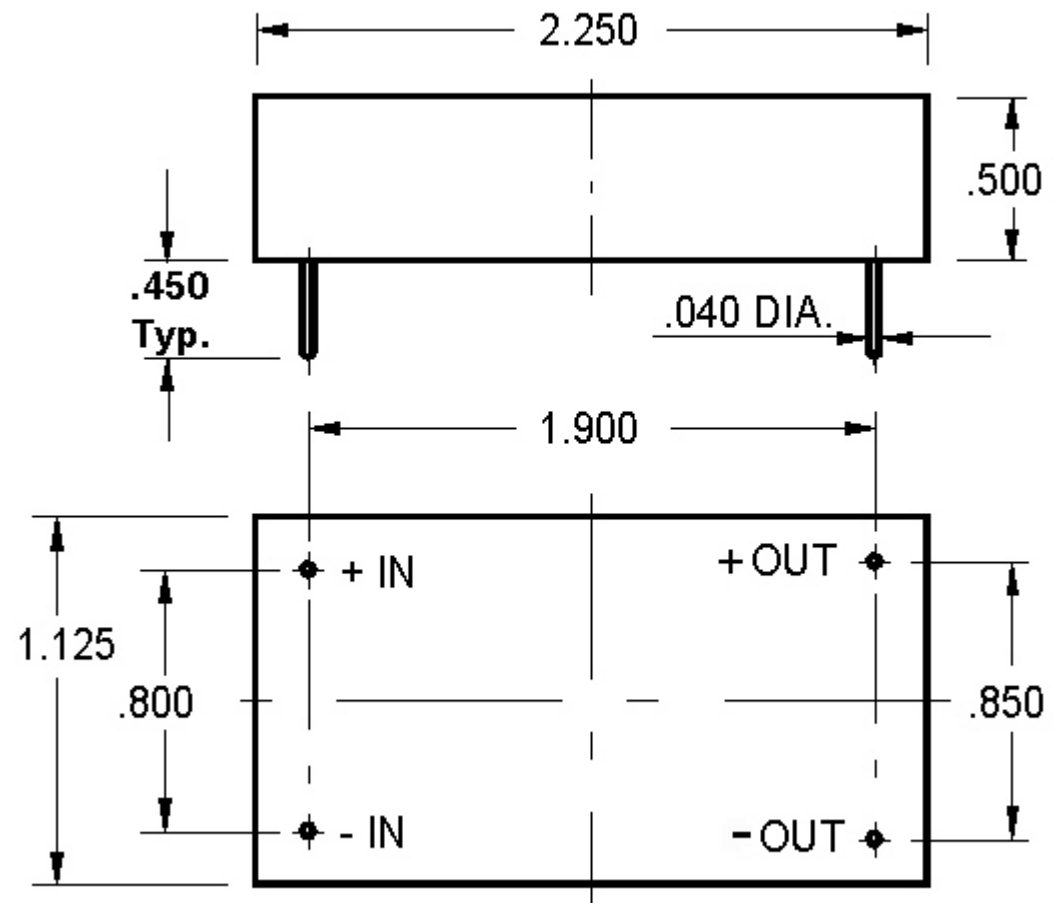
SERIES VV

C=0.1uF, 2KV



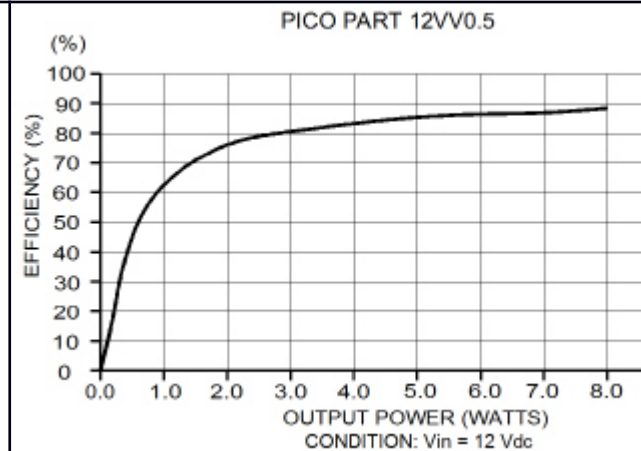
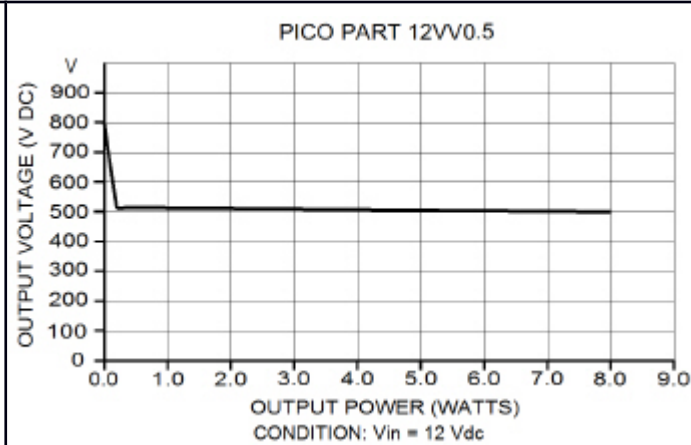
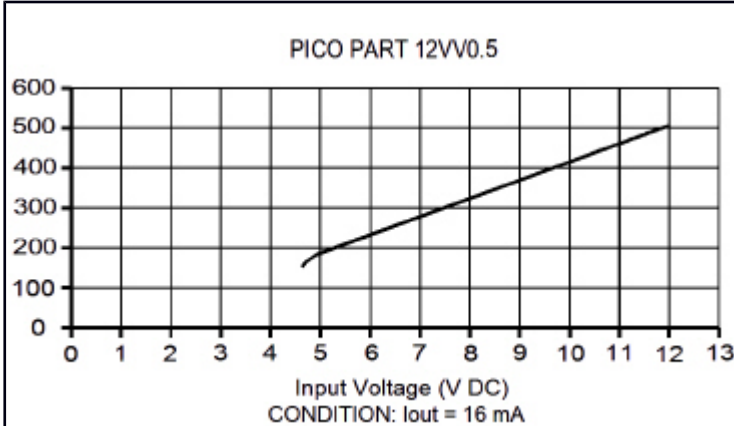
BOTTOM VIEW

Input Voltage may be Positive or Negative



BOTTOM VIEW

Measurements in Inches
Typical Weight: 45 grams



For immediate engineering assistance or to place an order:

Call Toll Free: 800-431-1064

PICO Electronics, Inc.

143 Sparks Ave. Pelham, NY 10803
Tel: 914-738-1400 or Fax: 914-738-8225

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