

DVETR

DVETR2800S Series

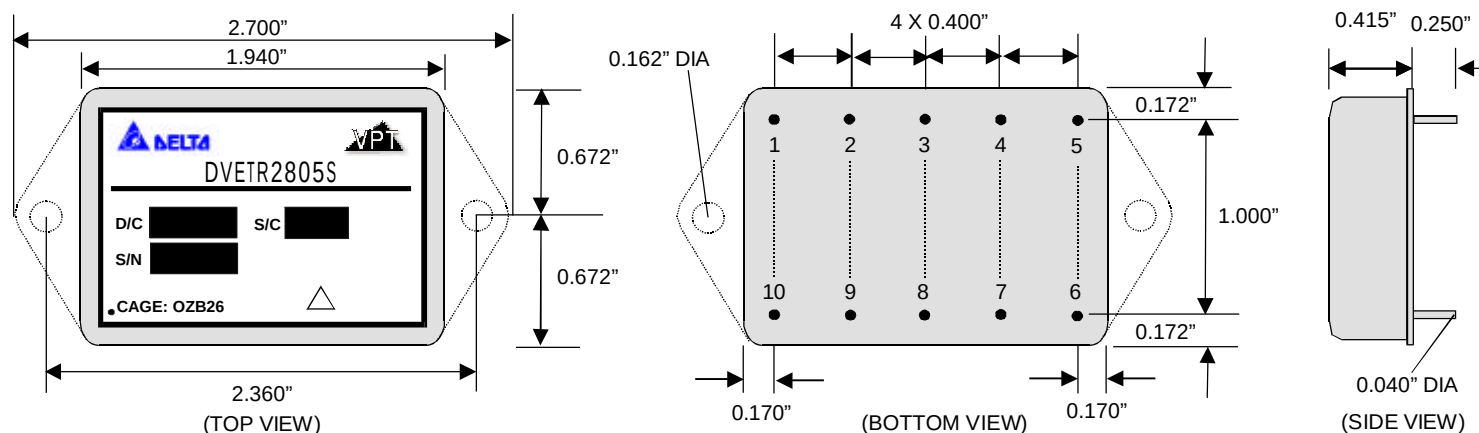
DC/DC Converters with Built-In Internal EMI Filter

- 15V to 50V Input Range with 80V Transient
- 3.3V, 5V, 12V and 15V Single Outputs Available
- Up to 30W Output Power
- Fault Tolerant Design without OPTO Device
- Built-In Internal EMI Filter Meets MIL-STD-461C CE01, CE03, CE07, CS01 and CS02, and MIL-STD-461D CE101, CE102, and CS101
- Radiation Hardened Version Available
- Low Profile (.415 inches) and Light Weight (50g) Hermetic Package
- -55°C to +125°C Case Temperature Operation
- 500Vdc Input/Output Isolation
- Military and Space Environmental Screenings Available

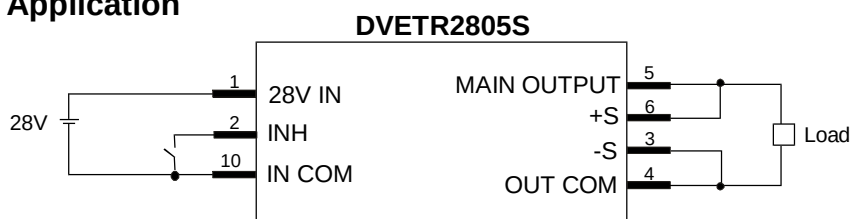
Electrical Performance at 25°C

Parameter	Conditions	DVETR283R3S			DVETR2805S			DVETR285R2S			DVETR2812S			DVETR2815S			Units
		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Input Voltage	Continuous Transient ¹	15	28	50 80	15	28	50 80	15	28	50 80	15	28	50 80	15	28	50 80	Vdc
Output Voltage	Full Load	3.25	3.30	3.35	4.95	5.00	5.05	5.14	5.20	5.26	11.88	12.00	12.12	14.85	15.00	15.15	Vdc
Output Power	Vin: 15-50V	0		20	0		30	0		30	0		30	0		30	W
Efficiency	Vin: 28V, Full Load	68	72		73	77		73	77		78	82		79	83		%
Output Ripple ²	Vin: 28V, Full Load		30	60		40	80		40	80		60	120		75	150	mVpp
Load Regulation	No Load to Full		10	20		10	20		10	20		10			10	20	mV
Line Regulation	Vin: 15 to 50V		10	20		10	20		10	20		10	20		10	20	mV

1. Transient time up to 1 second. 2. Bandwidth is limited to 10MHz.



Typical Application



Pin#	Description
1	28V IN
2	INH
3	-S
4	OUT COM
5	MAIN OUTPUT
6	+S
7	CASE
8	N/C
9	N/C
10	IN COM