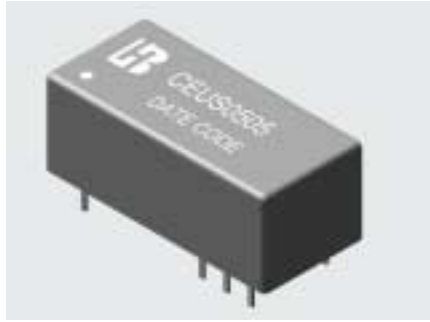


1. Features :

<ul style="list-style-type: none"> ■ 16 Pin DIL Package 	
<ul style="list-style-type: none"> ■ Low Ripple and Noise 	
<ul style="list-style-type: none"> ■ Input / Output Isolation 500 Vdc 	
<ul style="list-style-type: none"> ■ 100 % Burn-In 	
<ul style="list-style-type: none"> ■ Input Filter with Internal Capacitor 	
<ul style="list-style-type: none"> ■ Custom Design Available 	

2. Absolute maximum ratings :

(Exceeding these values may damage the module. These are not continuous operating ratings)

Parameter	Condition	Min.	Typ.	Max.	Unit
Input Absolute Voltage Range	5V Input Model	-0.7	5	7.5	Vdc
	12V Input Model	-0.7	12	15	
	24V Input Model	-0.7	24	30	
Max. Output power		---	---	2	W
Output Short circuit duration		---	---	1.0	Second
Operating temperature	Output Full Load	-40	---	+85	°C
Storage temperature		-55	---	+105	

3. Nominal Input / Output Electrical Specifications :

(Specifications typical at Ta = +25°C , nominal input voltage, rated output current unless otherwise noted)

Parameter	Condition	Min.	Typ.	Max.	Unit
Input Voltage Range	5V Input Model	4.5	5	5.5	Vdc
	12V Input Model	10.8	12	13.2	
	24V Input Model	21.6	24	26.4	
Output Voltage Accuracy	Nominal Input	---	---	± 5.0	%
Switching Frequency		---	90	---	KHz
Temperature Coefficient		---	± 0.01	± 0.02	% / °C
Isolation Voltage	60 Seconds / 0.5mA	500	---	---	Vdc
Isolation Resistance	500 Vdc	1000	---	---	MΩ
Isolation Capacitance	1 KHz / 250 mV rms	---	50	---	pF
Max. Line Regulation (Per 1.0 % change in input change)		---	---	1.3	%
Hi-Enable Signal Logic level	Output Voltage => Hi	3.0	5	5.5	Vdc

4. Model Selection Guide :

4.1. 500Vdc Isolation – Single Output

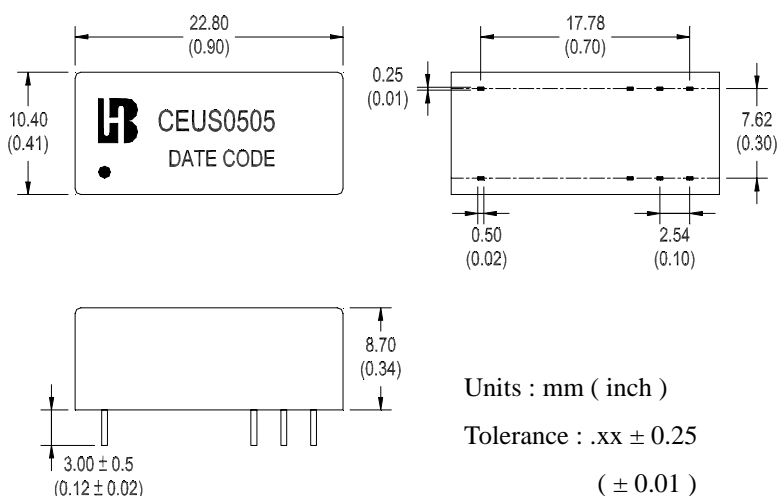
(Specifications typical at Ta = +25 °C, Nominal input voltage, Rated output current unless otherwise noted)

Bothhand Model No.	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @ No Load (mA) Typ.	Input Current @ Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%) Typ.
CEUS0505	5	5.0	400	30	506	60	± 8	79
CEUS0509		9.0	200	30	450	90	± 8	80
CEUS0512		12.0	150	28	444	100	± 8	81
CEUS0515		15.0	120	28	439	120	± 8	82
CEUS1205	12	5.0	400	18	211	60	± 8	79
CEUS1209		9.0	200	18	188	90	± 8	80
CEUS1212		12.0	150	18	185	100	± 8	81
CEUS1215		15.0	120	18	183	120	± 8	82
CEUS2405	24	5.0	400	5	104	60	± 8	80
CEUS2412		12.0	150	4	93	100	± 8	81
CEUS2415		15.0	120	4	91	120	± 8	82
CEUSxxxx								

Notes :

1. CEUSxxxx is for Customer Design.
2. Load regulation is for output current change from 20 % to 100 % Max. Load.

Mechanical Dimension :



Pin	500Vdc - Single		Pin
1	+Vin	+Vin	16
2			15
3			14
4	---	---	13
5			12
6	Vo (-)	Vo (-)	11
7	Vo (+)	Vo (+)	10
8	-Vin	-Vin	9

Note : " --- " means Omitted

4.2. Hi-Enable- 500Vdc Isolation – Single Output

(Specifications typical at Ta = +25 °C, Nominal input voltage, Rated output current unless otherwise noted)

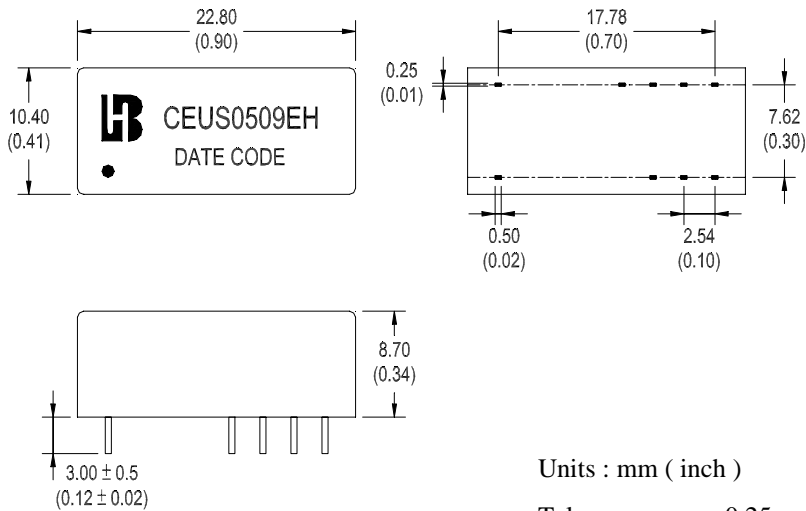
Bothhand Model No.	Input Voltage (Vdc)	Output Voltage (Vdc)	Output Current (mA) Max	Input Current @ No Load (mA) Typ.	Input Current @ Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%) Typ.
CEUS0509EH	5	9.0	200	38	486	75	± 8	74
CEUSxxxxEH								

Notes :

1. CEUSxxxxEH is for Customer Design.
2. Enable signal : Logic Hi - Active
3. Load regulation is for output current change from 20 % to 100 % Max. Load.

Mechanical Dimension :

(1). Detail Dimension



Units : mm (inch)
Tolerance : .xx ± 0.25
(± 0.01)

Pin	500Vdc - Single		Pin
1	+Vin	+Vin	16
2			15
3	---	---	14
4			13
5	Hi-enable		12
6	Vo (-)	Vo (-)	11
7	Vo (+)	Vo (+)	10
8	-Vin	-Vin	9

Note : " --- " means Omitted