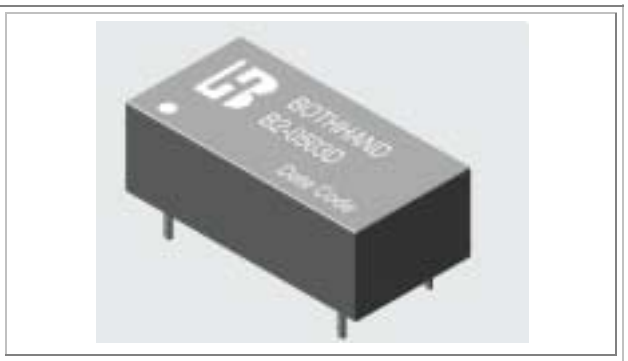


1. Features :

■ 14 Pin DIL Package
■ Low Ripple and Noise
■ Input / Output Isolation 1K Vdc or 3K Vdc
■ 100 % Burn-In
■ Input Filter with Internal Capacitor
■ 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		---	---	1	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	---	---	± 1.0	%
Output Voltage Balance	Dual Output same Load	---	---	± 0.3	
Switching Frequency		---	45	---	KHz
Temperature Coefficient		---	± 0.01	± 0.02	% / °C
Isolation Voltage	Standard Series	1000	---	---	Vdc
	High Isolation Series	3000	---	---	
Isolation Resistance	500 Vdc	1000	---	---	MΩ
Isolation Capacitance	1 KHz / 250 mV rms	---	80	---	pF
Line Regulation		---	---	± 0.4	%

4. Model Selection Guide :

4.1. 1K Vdc Isolation – Dual split output

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

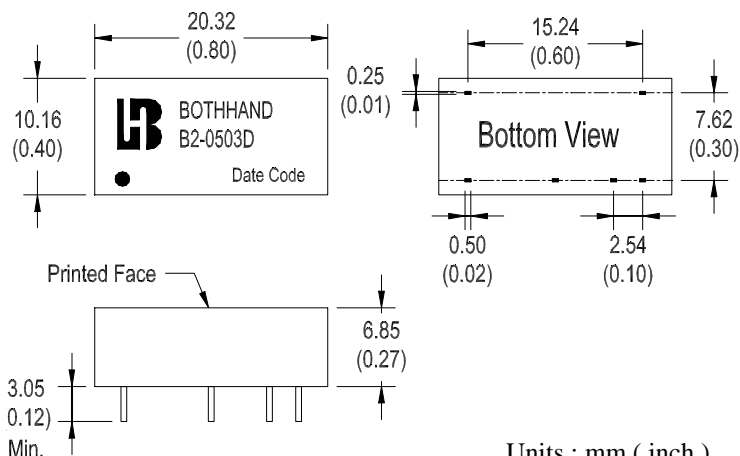
Bothhand Model No.	Input Voltage (Vdc)	Output Voltage (Vdc)		Output Current (mA) Max.		Input Current @ No Load (mA) Typ.	Input Current @ Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%) Typ.
		3.0	3.3	4.85	5.0					
B2-0503D	5	3.0	3.0	100	100	28	226	45	± 0.3	53
B2-053R3D		3.3	3.3	100	100	28	249	45	± 0.3	53
B2-054R8D		4.85	4.85	100	100	28	359	45	± 0.3	54
B2-0505D		5.0	5.0	100	100	28	370	45	± 0.3	54
B2-1203D	12	3.0	3.0	100	100	18	93	45	± 0.3	54
B2-123R3D		3.3	3.3	100	100	18	102	45	± 0.3	54
B2-124R8D		4.85	4.85	100	100	18	147	45	± 0.3	55
B2-1205D		5.0	5.0	100	100	18	152	45	± 0.3	55
B2-2403D	24	3.0	3.0	100	100	5	46	45	± 0.3	54
B2-243R3D		3.3	3.3	100	100	5	51	45	± 0.3	54
B2-244R8D		4.85	4.85	100	100	5	73	45	± 0.3	55
B2-2405D		5.0	5.0	100	100	5	76	45	± 0.3	55
B2-xxxxD										

Notes :

1. B2-xxxxD is for Customer Design.
2. Load regulation is for output current change from 0 % to 100 % Max. Load.

Mechanical Dimension :

(1). Detail Dimension



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

Pin	1K Vdc -Dual Split		Pin	
1	-Vin	+Vin	14	
2	---	---	13	
3			12	
4			Vo1 (+)	11
5			---	10
6	---	Vo2 (+)	9	
7	NC	Ground	8	

Note : " --- " means Omitted

4.2. 3K Vdc Isolation - Dual split output

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

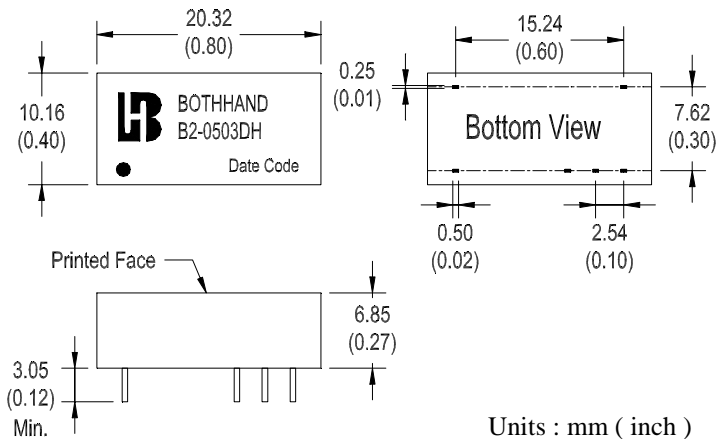
Bothhand Model No.	Input Voltage (Vdc)	Output Voltage (Vdc)		Output Current (mA) Max.		Input Current @ No Load (mA) Typ.	Input Current @ Max. Load (mA) Typ.	Output Ripple (mV) Max.	Load Regulation (%) Max.	Efficiency (%) Typ.
		3.3	4.85	100	100					
B2-0503DH	5	3.3	3.3	100	100	28	226	45	± 0.3	53
B2-053R3DH		3.3	3.3	100	100	28	249	45	± 0.3	53
B2-054R8DH		4.85	4.85	100	100	28	359	45	± 0.3	54
B2-0505DH		5.0	5.0	100	100	28	370	45	± 0.3	54
B2-1203DH	12	3.0	3.0	100	100	18	93	45	± 0.3	54
B2-123R3DH		3.3	3.3	100	100	18	102	45	± 0.3	54
B2-124R8DH		4.85	4.85	100	100	18	147	45	± 0.3	55
B2-1205DH		5.0	5.0	100	100	18	152	45	± 0.3	55
B2-2403DH	24	3.0	3.0	100	100	5	46	45	± 0.3	54
B2-243R3DH		3.3	3.3	100	100	5	51	45	± 0.3	54
B2-244R8DH		4.85	4.85	100	100	5	73	45	± 0.3	55
B2-2405DH		5.0	5.0	100	100	5	76	45	± 0.3	55
B2-xxxxDH										

Notes :

1. B2-xxxxDH is for Customer Design.
2. Load regulation is for output current change from 0 % to 100 % Max. Load.

Mechanical Dimension :

(1). Detail Dimension



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

Pin	3K Vdc - Dual Split		Pin
1	-Vin	+Vin	14
2	---	---	13
3			12
4			11
5			10
6	Vo1 (+)	Ground	9
7	NC	Vo2 (+)	8

Note : " --- " means Omitted