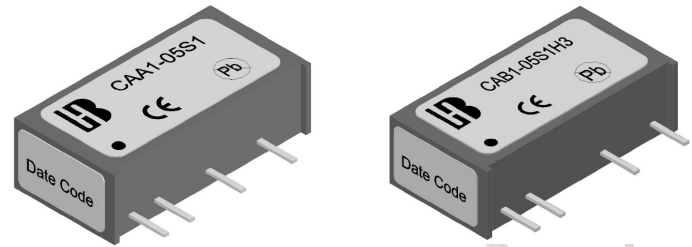


CAA1&CAB1 Serie

0.6 To 1.5 Watt Isolated DC-DC Converter
Single Regulated Output

Features

- 7 Pin SIL
- Low Ripple And Noise
- Input / Output Isolation 1K Vdc Or 3K Vdc
- 100% Burn-In
- Input Filter With Internal Capacitor
- Custom Design Available
- Net Weight : 2.2 g Typical
- RoHS Converter Certified By SGS



Model Selection Guide

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

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.
1) Single Output SIL Package Style(1KV)								
CAA1-05S0	5	3.3	200	26	220	50	± 0.5	60
CAA1-05S1		5	200	26	299	60	± 0.5	67
CAA1-05S2		12	100	26	338	80	± 0.5	71
CAA1-12S1	12	5	200	15	124	60	± 0.5	67
CAA1-12S2		12	100	15	143	80	± 0.5	70
CAA1-24S1	24	5	200	9	60	60	± 0.5	69
CAA1-24S2		12	100	8	68	80	± 0.5	73
2) Single Output SIL Package Style(3KV)								
CAB1-05S0H3	5	3.3	200	26	220	50	± 0.5	60
CAB1-05S1H3		5	200	26	299	60	± 0.5	67
CAB1-05S2H3		12	100	26	338	80	± 0.5	71
CAB1-12S1H3	12	5	200	15	124	60	± 0.5	67
CAB1-12S2H3		12	100	15	143	80	± 0.5	70
CAB1-24S1H3	24	5	200	9	60	60	± 0.5	69
CAB1-24S2H3		12	100	8	68	80	± 0.5	73

Notes:

1. Load regulation is for output current change from 0 % to 100 % Max. Load.



Bothhand USA

www.bothhandusa.com E-mail: sales@bothhandusa.com

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	4.75	5	5.25	Vdc
	12V Input Model	11.4	12	12.6	
	24V Input Model	22.8	24	25.2	
Output Voltage Accuracy	Nominal Input	---	± 3.0	---	%
Switching Frequency		---	120	---	KHz
Temperature Coefficient		---	± 0.01	± 0.02	%/ °C
Isolation Voltage	60 Second/0.5mA	1000	---	---	Vdc
		3000	---	---	
Isolation Resistance	500Vdc	1000	---	---	MΩ
Isolation Capacitance	1KHz / 250mV rms	---	40	---	pF
Line Regulation		---	---	± 0.5	%

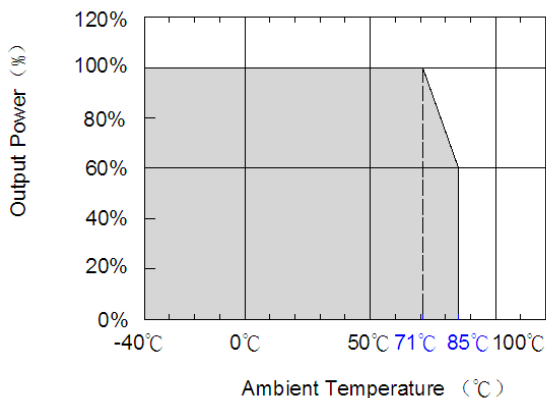
General Specification

Parameter	Specification	Condition
Isolation Voltage	1000 / 3000 Vdc	Test Duration 60 Seconds / 0.5 mA
Isolation Resistance	1000 MΩ Min.	@ 500 Vdc
Operating Temperature	-40°C ~ +85°C	@ Ambient Temperature (with derating)
Storage Temperature	-55°C ~ +105°C	---
Humidity	Up To 90 %	---
Cooling	Free Air Convection	---
Case Type	Plastic	---

Power Derating Curve

Temperature derating graph

Power Derating Curve

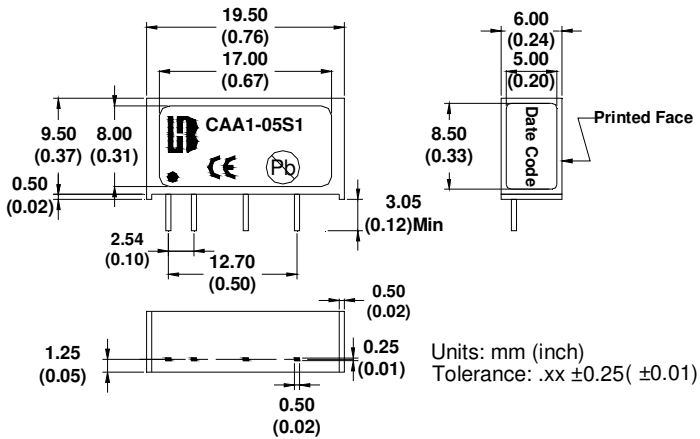


CAA1&CAB1 Serie

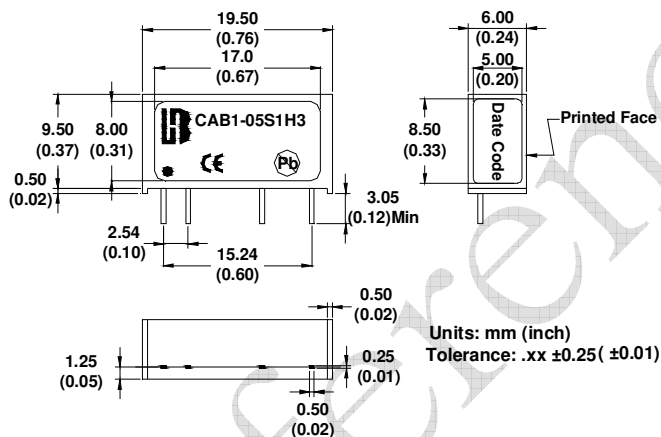
0.6 To 1.5 Watt Isolated DC-DC Converter
Single Regulated Output

Mechanical Dimension

SIL Package Style



Pin	Single Output	
	1K Vdc	3K Vdc
1	+Vin	+Vin
2	-Vin	-Vin
3	No Pin	No Pin
4	-Vo	No Pin
5	No Pin	-Vo
6	+Vo	No Pin
7	No Pin	+Vo



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www.bothhandusa.com E-mail: sales@bothhandusa.com