

**Features:**

- \* 7Pin SIP Package
- \* +/- 10% Range Input Voltage
- \* Efficiency up to 81%
- \* Un-Regulated Output
- \* 5600VDC Isolation Voltage
- \* Case Material: Non-Conductive Black Plastic  
(Meet UL94V-0)
- \* Operation Temp. -40~85°C
- \* 3 year warranty

**Applications:**

Automatic Control System  
 Communication System  
 Distribute Power System  
 Industry Computer

**Rating Chart:**

MODEL NO.	Input Voltage	Output Voltage	Output Current		Load Regulation	Typ. Efficiency	Capacitive Load
	(VDC)	(VDC)	Min.(mA)	Max. (mA)	Max. (%)	(%)	Max. uF
ACA02H-101	4.5~5.5 VDC (Nominal: 5V)	3.3	12.1	606	±14	72	470
ACA02H-102		5	8	400	±13	76	470
ACA02H-105		12	3.3	167	±11	79	470
ACA02H-106		15	2.7	133	±10	80	470
ACA02H-202		±5	4.0	200	±13	76	220
ACA02H-205		±12	1.7	83	±10	79	220
ACA02H-206		±15	1.3	67	±10	80	220
ACB02H-101	10.8~13.2 VDC (Nominal: 12V)	3.3	12.1	606	±14	74	470
ACB02H-102		5	8	400	±12	78	470
ACB02H-105		12	3.3	167	±9	81	470
ACB02H-106		15	2.7	133	±9	81	470
ACB02H-202		±5	4.0	200	±11	77	220
ACB02H-205		±12	1.7	83	±10	79	220
ACB02H-206		±15	1.3	67	±9	79	220
ACC02H-101	21.6~26.4 VDC (Nominal: 24V)	3.3	12.1	606	±10	72	470
ACC02H-102		5	8	400	±9	75	470
ACC02H-105		12	3.3	167	±7	77	470
ACC02H-106		15	2.7	133	±7	79	470
ACC02H-202		±5	4.0	200	±9	76	220
ACC02H-205		±12	±1.7	83	±8	76	220
ACC02H-206		±15	1.3	67	±8	78	220

# DC/DC

## ACX02H Series

## 2W DC to DC Converter

### Electrical Characteristics:

Symbol	Characteristic	Condition	Min.	Typ.	Max.	Unit
Vin	Input Voltage for ACA02H		4.5	5	5.5	VDC
	Input Voltage for ACB02H		10.8	12	13.2	VDC
	Input Voltage for ACC02H		21.6	24	26.4	VDC
Fs	Switching Frequency			50		kHz
Po	Output Power Range	See Rating Chart		2		W
Acc	Output Voltage Accuracy	Io=Full load, Vin=Typ.,@25°C		±2	±4.0	%
n	Efficiency Full Load, Vin= Nominal	Detail to see Rating Chart				
△Voi	Line Regulation	Full Load, Vin=Vmax to Vmin @25°C		±1.2	±1.5	%
△Vol	Load Regulation	Io=20% to 100% Vin= Typ.,@25°C	See Rating Chart			
Vp-p	Ripple & Noise (Peak to Peak)	20MHz		80	120	mV
Tc	Temperature Coefficient	All output		±0.01	±0.02	%/°C
Vio	Dielectric With Standing Voltage for input to output	Input to output	5600			VDC
Ris	Isolation Resistance	Input to output	10G			ohm
	Isolation Capacitance	Input to output			20	pF

### Environmental:

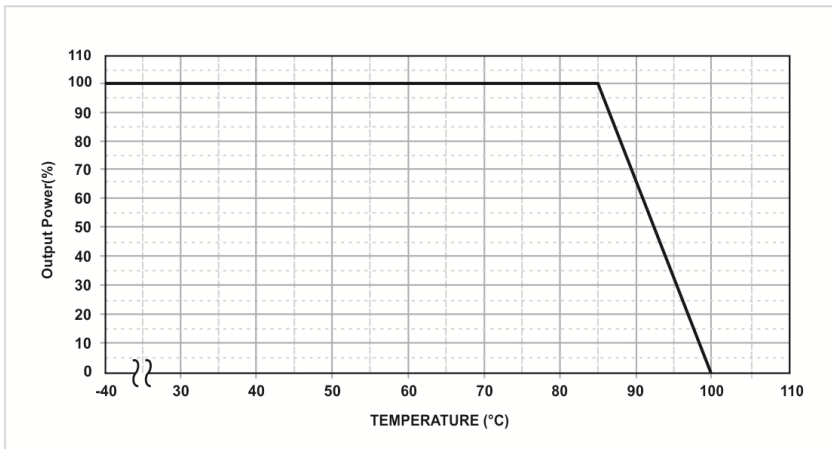
Symbol	Characteristic	Condition	Min.	Typ.	Max.	Unit
To	Operating Temperature	Detail to see Fig.1	-40		85	°C
Ts	Storage Temperature	10 ~ 95% RH	-55		125	°C
	Max case Temperature		-40		90	°C
Ho	Operating Humidity	non-condensing			95%	RH
MTBF	Mean Time Between Failure	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		2M		Hrs
EP	Potting Material is Epoxy which is flammability to UL94V-0					
Cooling	Natural Convection					

# DC/DC

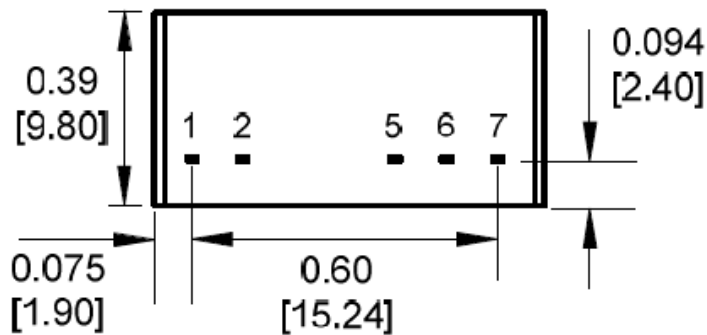
## ACX02H Series

## 2W DC to DC Converter

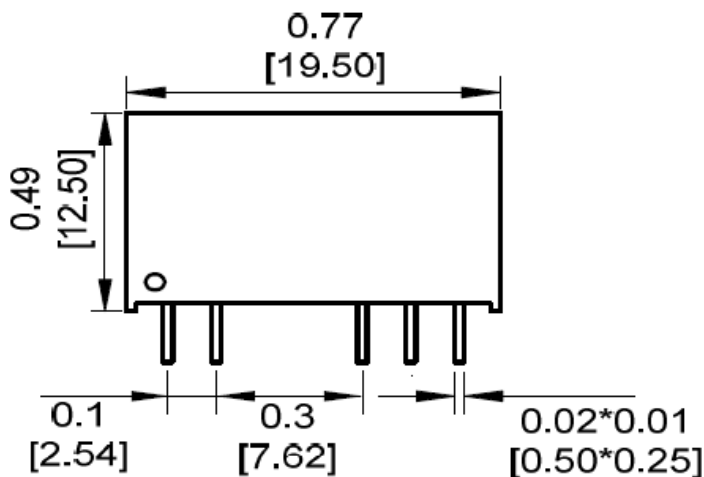
### DERATING CURVE :



### MECHANICAL DIMENSIONS : < UNIT: inch [mm] >



Pin No.	Single Output	Dual Output
1	+ Vin	+ Vin
2	-Vin	-Vin
5	-Vout	-Vout
6	No Pin	Common
7	+Vout	+Vout



Tolerance:	inches	mm
.X	±0.01	X ±0.25
.XX	±0.01	.XX ±0.25
.XXX	±0.005	.XXX ±0.13
Pin	±0.004	± 0.1
Pin Pitch	±0.01	±0.25