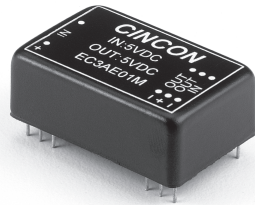


EC3AE

3 WATT DC-DC CONVERTERS

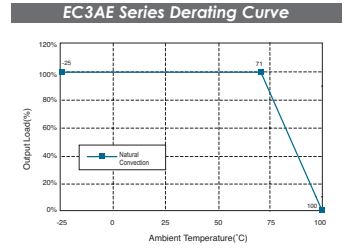


Features

- 3W Isolated Output
- Efficiency to 61%
- DIP-24 / SMD Package
- LC Input Filter
- Regulated Outputs
- Low Ripple and Noise

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
EC3AE01M	5 VDC	5 VDC	600 mA	120 mA	984 mA	61	DIP-24
EC3AE02M		12 VDC	250 mA				
EC3AE03M		15 VDC	200 mA				
EC3AE04M		±12 VDC	±125 mA				
EC3AE05M		±15 VDC	±100 mA				
EC3AE11M	12 VDC	5 VDC	600 mA	60 mA	410 mA	61	DIP-24
EC3AE12M		12 VDC	250 mA				
EC3AE13M		15 VDC	200 mA				
EC3AE14M		±12 VDC	±125 mA				
EC3AE15M		±15 VDC	±100 mA				
EC3AE21M	24 VDC	5 VDC	600 mA	40 mA	205 mA	61	DIP-24
EC3AE22M		12 VDC	250 mA				
EC3AE23M		15 VDC	200 mA				
EC3AE24M		±12 VDC	±125 mA				
EC3AE25M		±15 VDC	±100 mA				
EC3AE31M	28 VDC	5 VDC	600 mA	35 mA	176 mA	61	DIP-24
EC3AE32M		12 VDC	250 mA				
EC3AE33M		15 VDC	200 mA				
EC3AE34M		±12 VDC	±125 mA				
EC3AE35M		±15 VDC	±100 mA				
EC3AE41M	48 VDC	5 VDC	600 mA	20 mA	102 mA	61	DIP-24
EC3AE42M		12 VDC	250 mA				
EC3AE43M		15 VDC	200 mA				
EC3AE44M		±12 VDC	±125 mA				
EC3AE45M		±15 VDC	±100 mA				

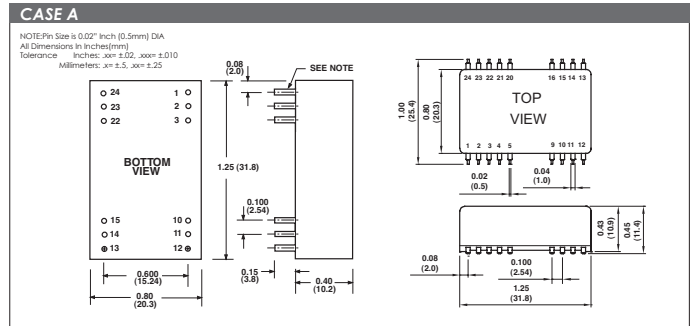
Specifications	
INPUT SPECIFICATIONS:	
Input Voltage Range.....	±10%
Input Filter.....	LC Type
OUTPUT SPECIFICATIONS:	
Voltage Accuracy.....	±3.0% max.
Temperature Coefficient.....	±0.02% / °C
Ripple and Noise, 20MHz BW.....	50mV p-p max.
Short Circuit Protection.....	Indefinite & Current Limit
Line Regulation, Single/Dual.....	±0.3% max.
Load Regulation, Single.....	±0.5% max.
Dual.....	±1.0% max.
GENERAL SPECIFICATIONS:	
Efficiency.....	See Table
Isolation Capacitance.....	150pF Typ.
Isolation Resistance.....	10 ⁹ ohms
Switching Frequency.....	80kHz, Typ.
Operating Ambient Temperature Range.....	-25°C to +71°C
De-rating, Above 71°C.....	Linearly to Zero power at 100°C
Case Temperature.....	100°C max.
Cooling.....	Natural Convection
Storage Temperature Range.....	-40°C to +100°C
Dimensions.....DIP.....	1.25 x 0.80 x 0.40 inches (31.8 x 20.3 x 10.2mm)
SMD.....	1.25 x 0.80 x 0.45 inches (31.8 x 20.3 x 11.4mm)
Weight.....	17.2g
ISOLATION VOLTAGE:	
500 VDC min.....	Standard Models
CASE MATERIAL:	
Standard Models.....	Black Coated Copper with Non-Conductive Base



- NOTE:**
1. Measured from High Line to Low Line
 2. Measured from Full Load to 10% Load
 3. Suffix "S" to the Model Number with SMD packages
 4. Maximum case temperature under any operating condition should not exceed 100°C

PIN CONNECTION				
Pin	500 VDC Single Output		Dual Output	
	DIP	SMD	DIP	SMD
1, 24	+V Input		+V Input	
2, 23	NC		-V Output	
3, 22	NC		Common	
4, 5	NP	NC	NP	NC
9	NP	NC	NP	NC
10, 15		-V Output	Common	
11, 14		+V Output	+V Output	
12, 13		-V Input	-V Input	
16	NP	NC	NP	NC
20, 21	NP	NC	NP	NC

*NC=NO CONNECTION WITH PIN
*NP=NO PIN



All Specifications Typical At Nominal Line, Full Load and 25°C Unless Otherwise Noted.