FEATURES

- ▶ **Industrial Standard SIP-7 Package**
- ▶ **Ultra-high I/O Isolation 8000VDC with Reinforced Insulation, rate for 480Vrms working voltage**
- ▶ **Operating Ambient Temp. Range -40℃ to +95℃**
- ▶ **Short Circuit Protection**
- ▶ **UL/cUL/IEC/EN 62368-1 Safety Approval**

PRODUCT OVERVIEW

The MINMAX MAEU01-HI series is a new range of high performance 1W DC-DC converter within encapsulated SIP-7 package which specifically design for high isolation applications where reinforced insulation and high working voltage are required. There are 9 models available for input voltage of 5, 12, 24VDC. The I/O isolation is specified for 8000VDC with reinforced insulation, which rated for 480Vrms working voltage. Further features include short circuit protection and operating ambient temp. range by -40℃ to 95℃.

These converters offer a cost-effective solution for wind turbine, solar panel, transportation systems, industrial control equipment where a high I/O isolation and insulation with working voltage is required.

Model Selection Guide

Model Number	Input Voltage (Range)	Output Voltage	Output Current	Input Current		Max. capacitive Load	Efficiency (typ.)
			Max.	@Max. Load	@No Load		@Max. Load
	VDC	VDC	mA	mA(typ.)	mA(typ.)	εF	%
MAEU01-05S05HI	5 (4.5 ~ 5.5)	5	200	253	50	220	79
MAEU01-05S12HI		12	84	252			80
MAEU01-05S15HI		15	68	252			81
MAEU01-12S05HI	12 (10.8 ~ 13.2)	5	200	105	35	220	79
MAEU01-12S12HI		12	84	104			81
MAEU01-12S15HI		15	68	108			79
MAEU01-24S05HI	24 (21.6 ~ 26.4)	5	200	55	20	220	76
MAEU01-24S12HI		12	84	53			79
MAEU01-24S15HI		15	68	54			79

Input Specifications

Parameter	Model	Min.	Typ.	Max.	Unit
Input Voltage Range	5V Input Models	4.5	5	5.5	VDC
	12V Input Models	10.8	12	13.2	
	24V Input Models	21.6	24	26.4	
Input Surge Voltage (1 sec. max.)	5V Input Models	-0.7	---	9	
	12V Input Models	-0.7	---	18	
	24V Input Models	-0.7	---	30	
Input Filter	All Models	Internal Capacitor			