MDGA 10-40W

MDGA 10-40W Series AC DC Isolation Converter



Features

- 100% Full-Load Burn-In Test
- Input and Output Isolation
- Temperature Protection Function
- Long Service Life and High Reliability
- Ultra-wide Voltage Input: 85-265V/165-265V/100-460VAC Optional
- Short-Circuit Protection with Self-Recovery Function
- Low Power Consumption and High Cost-Effectiveness

Condition: All specifications are tested under the room temperature 25°C, Normal input voltage and pure resistive normal load.

Input Characteristic

(Rated)	(Voltage Range)
220 VAC	85-265VAC
220 VAC	165-265VAC
220 VAC	100-460VAC

Input Characteristic

(Voltage Set-point Accuracy)	± 2%	(Output Current)	0-5A
(Line Regulation<main>)	± 0.5%	(Output Voltage)	5-48VDC
(Load Regulation<main>)	± 0.5%	(Output voltage Range)	±10%
(Output Current Limiting)	120%(Typ)	(Power)	10-40W

General Characteristic

(Switching Frequency)	100-200KHz		(Environmental Characteristics)	(Case Temperature)	Industry Military I Military II	-25 - +85°C -40 - +85°C -55 - +85°C
(Isolation Resistance)	200MΩ					
(Isolation Voltage)	(Input-Output)	>1500VDC		(Storage Temperature)	Industry Military I	-45 - +105°C -55 - +105°C
	(Input-Case)	>1050VDC				
	(Output-Case)	>500VDC				

General Characteristic

- ★ (Input under voltage protection)
- ★ (Input over voltage protection)
- ★ (Output short circuit protection)
- ★ (Over temperature protection)
- ★ (Output over current protection)

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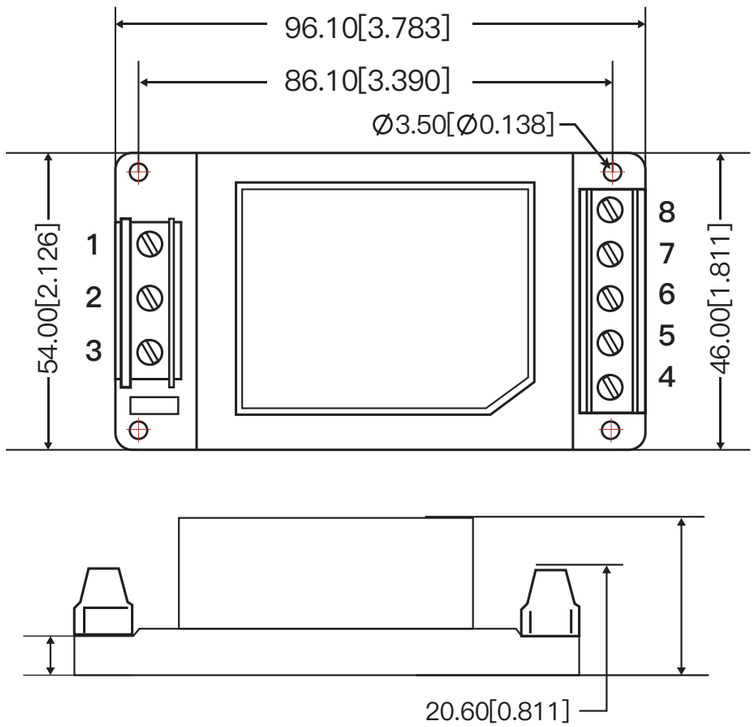
	Input voltage (Vac)	Input voltage range (Vac)	Output voltage (Vdc)	Output current (A)	Ripple and noise (mv)	Efficiency (Typ)	Models
Single Channels Output	220VAC	85-265VAC 165-265VAC 100-460VAC (Optional)	12VDC	1.25A	120	87%	MDGA15-220S12
	220VAC		24VDC	0.83A	200	86%	MDGA20-220S24
	220VAC		48VDC	0.52A	300	86%	MDGA25-220S48
	220VAC		15VDC	2.66A	120	88%	MDGA40-220S15

Mechanical drawing and pin definition



Pin	Function
1	–VIN
2	NC
3	+VIN
4	+Vo
5	NC
6	NC
7	NC
8	–Vo