

# EA63-2.5C

## Self Excited Automatic Voltage Regulator Sensing 400VAC

### Features

- $< \pm 1\%$  Regulation
- Economical Compact Design
- For use in 50/60 Hz Brushless Generators
- EMI Suppression
- Under Frequency Protection
- 400 VAC Optional\*\*
- Built-in High Breaking Capacity Fuse\*\*



### Specifications

<b>Sensing</b>	Voltage	400 VAC (340 ~ 530 VAC) 1 phase 2 wire	<b>Voltage Regulation</b>	$< \pm 1\%$ (within 4% engine governing)
<b>Power</b>	Voltage	120 ~ 260 VAC 1 phase 2 wire	<b>Voltage Build-up</b>	Residual Volts at AVR terminal $> 5$ VAC
	Frequency	45 ~ 65 Hz	<b>External Volts Adjustment</b>	$\pm 15\%$ with 5K $\Omega$ , 2 watt trimmer
<b>Output</b>	Voltage	Max. 50 VDC @ 120 VAC input Max. 63 VDC @ 240 VAC input	<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
	Current	Continuous 2.5A Intermittent 4A for 60 sec.	<b>Unit Power Dissipation</b>	Max. 10 watt
	Resistance	Min. 25 $\Omega$	<b>EMI Suppression</b>	Internal Electromagnetic Interference Filtering
			<b>Under Frequency Protection</b>	Knee point adjustable range 45 ~ 55 Hz

### Environment

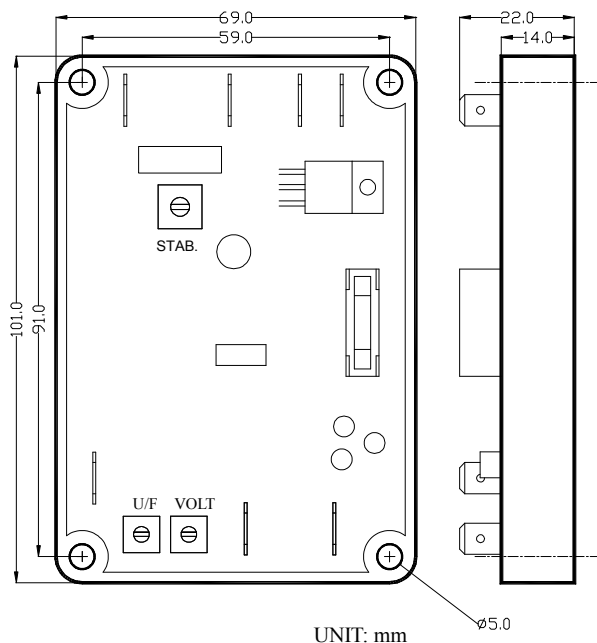
**Vibration** 1.5G @ 5 ~ 30 Hz 5.0G @ 30 ~ 500 Hz

**Relative Humidity**  $< 95\%$

**Operating Temperature**  $-40 \sim 60^{\circ}\text{C}$

**Storage Temperature**  $-40 \sim 85^{\circ}\text{C}$

### Mechanical Specifications



AVR Controls	Function
VOLT	Voltage Adjustment
U/F	U/F* Knee Point Set
STAB.	Stability Adjustment
*U/F: Under Frequency protection	

#### Physical Specifications

Dimensions	101.0 (L) x 69.0 (W) x 22.0 (H) mm
Weight	107 g $\pm$ 2%
Shock	Withstands up to 20G in each X, Y, Z axes

Please link to <http://www.kutai.com.tw> for detailed manual