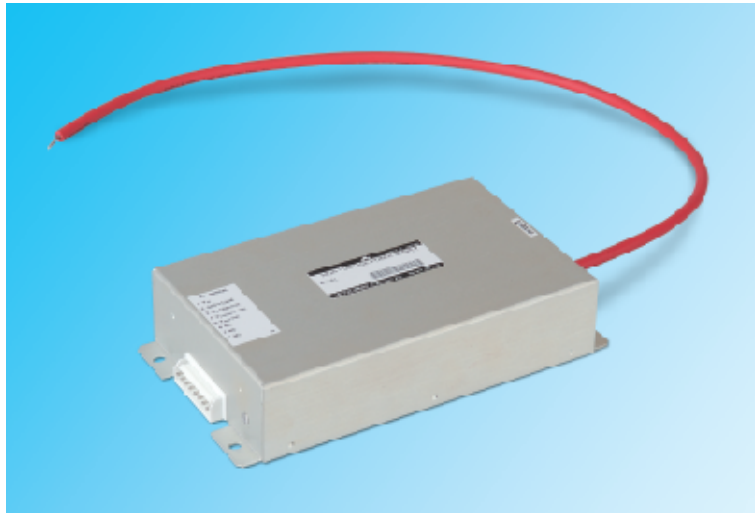


E-Chuck Power Supply Compact Module

# High Voltage Power Supply

MEC Series 10w /  $\pm 1$ kV to  $\pm 10$ kV


1060-01Ab

## FEATURES

- Specially designed for Electrostatic Chuck applications
- Smooth release of wafer with polarity reverse function
- Polarity change and output voltage control with remote signal
- Output Voltage and Current monitor

## SUMMARY

This is a high voltage power supply developed especially for electrostatic chuck applications. Compact module type and easy to integrate into a system. Smooth wafer release is possible with polarity change by remote control.

## LINEUP

MODEL	Output Voltage	Output Current
MEC-1R10	0 to $\pm 1$ kV	10mA
MEC-1.5R6.6	0 to $\pm 1.5$ kV	6.6mA
MEC-2R5	0 to $\pm 2$ kV	5mA
MEC-3R3.3	0 to $\pm 3$ kV	3.3mA
MEC-5R2	0 to $\pm 5$ kV	2mA
MEC-10R1	0 to $\pm 10$ kV	1mA

## SPECIFICATIONS

<b>Input Voltage</b>	+24Vdc $\pm 1$ Vdc
<b>Input Current</b>	1A TYP
<b>Output Voltage Control</b>	External control voltage source 0Vdc to 5Vdc
<b>Polarity Change</b>	By contact signal. (Open : Positive output, Short : Negative output) (change time 90% to 90% : 1sec TYP)
<b>Ripple</b>	0.1%rms
<b>Output Monitor</b>	Voltage : 0 to 5Vdc Current : 0 to 5Vdc
<b>Output ON/OFF function</b>	By contact signal (Open : OFF, Short : ON)
<b>Input Terminal</b>	8 pin connector mating connector and pins are assorted Recommendation : wire for ① and ② are AWG18 wire for ③ to ⑧ are AWG22 to 18
<b>HV output cable</b>	High Voltage non-shielded cable (0.5m)
<b>Protection</b>	Over voltage and output short circuit
<b>Temperature</b>	0°C to 50°C (Operation), -20°C to +60°C (Storage)

## DIMENSIONS mm(inch)

185L  $\times$  152W  $\times$  43H (7.28  $\times$  5.98  $\times$  1.7)