LASER ELECTRONICS
Flashlamp pumping, Laser diode drivers & Controllers

- Modules for flashlamp pumping
- Flashlamp drivers
- Laser diode drivers
- Modules for diode pumping
- Single diode controllers
- Thermocontrollers
MODULES FOR FLASHLAMP PUMPING

CAPACITOR CHARGER - PCP-35
- output power 3500W
- output voltage up to 2000V
- complete and partial discharge modifications

CAPACITOR CHARGER - PCP-17
- output power 1750W
- output voltage up to 2000V
- complete and partial discharge modifications

CAPACITOR CHARGER - PCA-20
- output power 2000W
- medical, high PFC, low leakage current
- output voltage up to 2000V
- complete and partial discharge modifications

CAPACITOR CHARGER - PCA-07
- output power 1000W
- medical, high PFC, low leakage current
- output voltage up to 2000V
- complete and partial discharge modifications

CAPACITOR CHARGER - PBZ-0204
- output power 200W
- output voltage 400V
- convective cooling
- +24V DC input

SIMMER SUPPLY MODULE - SBZ-2008
- +24V DC input
- one lamp operation
- output current up to 800mA
- output voltage up to 200V
- output power up to 100W

SIMMER SUPPLY MODULE - SCA-2008
- 230VAC input
- one lamp operation
- output current up to 800mA
- output voltage up to 200V
- output power up to 100W

DISCHARGE CIRCUIT - NBU-1012
- fulfills the partial discharge of capacitor battery through the flashlamp
- contains simmer supply module SBZ-2008, IGBT switch, ignition circuits

DISCHARGE CIRCUIT - NBU-0405
- fulfills the partial discharge of capacitor battery through the flashlamp
- contains capacitor battery, IGBT switch, ignition circuits

FLASHLAMP DRIVERS

FLASHLAMP DRIVERS - FLD-4U
- pulsed output
- complete or partial discharge
- output power up to 3500W
- output voltage up to 2000V
Options:
- touch panel, 6” LCD display

FLASHLAMP DRIVERS - FLD-2U
- pulsed output
- complete or partial discharge
- output power up to 1750W
- output voltage up to 2000V
**SIMMER SUPPLY MODULE - SBZ-2008**
- Output voltage 400V
- Options:
  - Contains simmer supply module
  - Fulfills the partial discharge of IGBT

**CAPACITOR CHARGER - PCP-35**
- Output voltage up to 2000V
- Options:
  - Contains capacitor battery
  - Complete and partial discharge

**FLASHLAMP DRIVERS - FLD-4U**
- Output power up to 70W
- Output current up to 800mA
- Options:
  - +24V DC input
  - 230VAC input

**SIMMER SUPPLY MODULE - SCA-2008**
- Output voltage up to 200V
- Options:
  - Contains capacitor battery
  - Complete and partial discharge

**LASER DIODE DRIVERS - LDD-150 .. LDD-400**
- For laser diode bars, arrays and stacks
- CW output
- Output power 150, 250, 400W
- Output current up to 1A
- Options:
  - Contains auxiliary DC power supply for TEC feeding

**LASER DIODE DRIVERS - LDD-600 .. LDD-1500**
- For laser diode bars, arrays and stacks
- CW output
- Output power 600, 1000, 1500W
- Output current up to 4A
- Options:
  - Up to 4 channels in single case

**LASER DIODE DRIVERS - LDD-AUS**
- CW output
- Output power 150, 250, 400W
- Output current up to 100A
- Contains auxiliary DC power supply for TEC feeding

**PULSED LASER DIODE DRIVER - PDD-150**
- Pulsed output
- Output current up to 200A
- Output voltage up to 150V
- Output power up to 150W
- Rise/fall time <20us

**SINGLE DIODE CONTROLLERS**
**SINGLE DIODE CONTROLLER - SDC**
- Contains both the current source and the thermocontroller
- CW mode, 10MHz digital modulation, 1MHz analog modulation
- Output current up to 1A
- Compliance voltage 3V

**SINGLE DIODE CONTROLLER - SDC-BT**
- Contains both the current source and the thermocontroller
- Pulsed output (up to 3kHz; 1-20 usec; rise/fall time < 50ns)
- Output current up to 4A
- Compliance voltage 3V

**POCKELS CELL DRIVERS**
**POCKELS CELL DRIVER - QBD**
- Produces HV pulses “up” or “down” (predefined)
- Output voltage up to 6kV
- Rep-rate up to 200kHz (at low output voltage)
- Leading edge <20ns

**ELECTRONICS FOR PULSE PICKERS**
- Selects pulses from pulse train
- Input rep-rate up to 75MHz
- Output rep-rate up to 100kHz
- Pulse amplitude up to 5kV
- Pulse width 10-1000ns
- Rise/fall time <5ns
WHAT CAN WE DO FOR YOU?

Please contact us for further information