

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



**POWER
TECHNOLOGIES**

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-3008



- +24V DC input
- two lamps operation
- output current up to 800mA
- output voltage up to 300V
- output power up to 100W

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 70W

SIMMER SUPPLY MODULE - SCA-2008



- 230VAC input
- one lamp operation
- output current up to 800mA
- output voltage up to 200V
- output power up to 70W

DISCHARGE CIRCUIT - NBU-1012



- fulfils the partial discharge of capacitor battery through the flashlamp
- contains simmer supply module SBZ-2008, IGBT switch, ignition circuits

DISCHARGE CIRCUIT - NBU-0405



- fulfils 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

LASER DIODE DRIVERS

LASER DIODE DRIVERS (CW) - LDD-2U



- cw output
 - up to 100A output current
 - up to 1500W output power
- Options:
- thermocontroller unit

LASER DIODE DRIVERS (PULSED) - PDD-2U



- pulsed output
 - up to 200A output current
 - up to 150V output voltage
- Options:
- up to 4 channels in single case
 - thermocontroller unit

MODULES FOR DIODE PUMPING

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 100A

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 100A

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 150W
- risetime/falltime <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 30kHz; 1-20 us; 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
- risetime/falltime <5ns



WHAT CAN WE DO FOR YOU?

Please contact us for further information

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