

SPECIFICATIONS: LDD100-XL120

PARAMETER	CONDITIONS				UNITS
		MIN	TYP	MAX	
OUTPUT					
Current		240		120	mA A
Current resolution		30			mA
Connector	Control unit to head Head to laser	LEMO Strip line			
Rise time / Fall time ²			600	1000	ns
Pulse duration		5		3	µs s
Resolution of pulse duration	50ns to 1.5ms 1.5ms to 3s	50		0.01	ns %
Repetition rate				100	kHz
Pulse separation		10		10	µs s
Resolution of pulse separation	10µs to 100ms 100ms to 1s 1s to 10s	10	100	1	µs µs ms
Compliance voltage				8	V
Duty cycle ²				1.4	%
Accuracy		± 2			%
Reproducibility		± 1			%
Linearity			± 1		%
PC INTERFACE					
Type		USB			
Data transfer rate		1.5			Mbit/s
TRIGGER					
Type		Internal External: sequence start External: individual pulse control			
POWER SUPPLY					
Type		120V; 60Hz 240V; 50Hz			
DIMENSIONS					
	Control unit Current head	250 x 235 x 150 mm (W x L x H) 105 x 190 x 55 mm (W x L x H)			mm mm

² At 120A.