

STX 450nm 10W Multi-mode Fiber Coupled Laser Diode


Features:

Many types of fibers for your selection
 TEC temperature control, air-cooled
 Custom-design and -made available

Application:

Fluorescence spectrometer, opto-electric sensor, cell analysis etc

Parameters *1	Condition	Sym.	Min.	Typ.	Max.	Unit
Part number		STX-450-10000				
Optical						
Output laser power, CW	@PO	PO		10		W
Power stability, RMS	2Hrs	Ps			3	%
Central wavelength	@PO	λ_c	445	450	455	nm
Spectral width FWHM	@PO	$\Delta\lambda$			3	nm
Warp time	@PO	Tw			5	min
Noise	RMS(10Hz-100MHz)	N			1	%
Fiber						
Type			400um multi mode			
Fiber length		L		2		m
N.A.		NA		0.22		
Connector			SMA905			
Electrical						
Voltage	@PO	Vin	90	220	245	V
TTL modulation				1		kHz
External port *2 (option)			RS232/RS485/USB available			
Reliability						
Lifetime *3	@PO room temp.	MTTF	10000			Hrs
Operation temp.		Tstg	0		40	C deg
Storage temp.		Topr	-20		65	C deg

Remark: *1 Data at 25 C degree

*2. Optional standard external port is RS232

*3 Lifetime means the lifetime of the diode

