8W 755nm Unmounted Semiconductor Laser Chips

Benefits:

- **Highest quality:** We strictly monitor the production of our semiconductor products in clearly defined processes.
- **Powerful:** High, reliable output power and ideal beam characteristics.
- **Economical:** Our semiconductors are very efficient and are characterized by a long service life.

Application:

- **Industry:**Semiconductors for high-power diode lasers in direct material processing, for heating or lighting. Semiconductors as pumping sources for fiber and solid-state lasers. Use in printing technology.
- **Medicine:** Esthetics, dermatology and surgery.

Data Sheet

Item No: LC755SE8

Item Name: 8W 755nm Bare Laser Chip

Operation	
Central Wavelength	755nm
Output Power	8W
Working Mode	CW
Geometrical	
Emitter Width	350μm
Cavity Length	2500μm
Chip Width	500μm
Chip Height	150μm
Electro Optical Data	
Operating Current Iop	10A
Threshold Current Ith	2.6A
Operating Voltage Vop	1.9V
Slope Efficiency	1.1W/A
Total Conversion	42%
Slow Axis Divergence	8.5
Slow Axis Divergence	38
Spectral Width	3nm
Polarization	TE