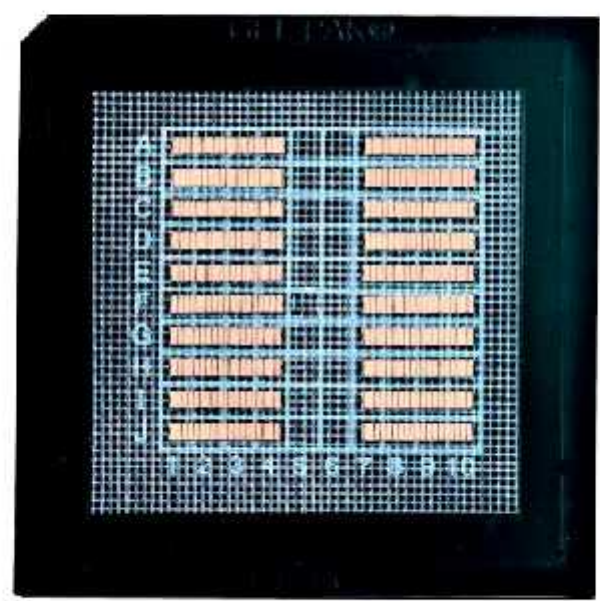


20W 976nm Unmounted Laser Bar Diode Laser Chip

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: LC976SB20

Item Name:20W 976nm Unmounted Laser Bar Diode Laser Chip

Optical

Center Wavelength	973-979nm
Output Power	20W
Operation Mode	CW
Spectral Width FWHM	5nm
Emitter width	95um
Cavity Width	390-410um
Cavity Thickness	95-120um
Cavity Length	3990-4010um
Polarization Mode	TE
Slope Efficiency	0.95W/A

Electrical

Operating Current	10.8-12A
Threshold Current	0.7-1.0A
Operating Voltage	1.75-1.95V

Thermal

Operating Temperature	25°C
Wavelength Temp. Coefficient	0.3nm/°C