

600mW 520nm Single Emitter Laser Chip

Feature:

Single Emitter Laser Chip

CW working mode

600mW output power, 520nm central wavelength

Unique technology for highest reliability and lifetime

Available with red, blue, green chips, TO 9mm

Application:

Laser light source

Industry Use

Medical use

Defense and security



Data Sheet

Item No: LC520SE600

Item Name: 600mW 520nm Single Emitter Laser Chip

Optical	Min	Typ	Max
Central Wavelength	510nm	520nm	530nm
Output Power		600mW	
Working Mode		CW	
Spectrum Width		5nm	
Number of Emitter		1	
Emitter Width		15um	
Cavity Width	490um	500um	510um
Cavity Length	3990	4000um	4010
Thickness	130um	150um	170um
Fast Axis Divergence(FWHM)		29deg	
Slow Axis Divergence (FWHM)		9deg	
Polarization Mode		TE	
Slope Efficiency	0.95W/A	1W/A	
Electrical			
Operating Current Iop		1.05A	
Threshold Current Ith		0.18A	
Operating Voltage Vop		5.7V	
Thermal			
Operating Temperature		25	
Wavelength Temperature Coefficient		0.35nm/	