ERMAKSAN

QCW LASER DIODE STACK MODULE G-SHAPE



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QCW LASER DIODE STACK MODULE ; G-Shape

Ermaksan, Laser Diode Stack Module ELD -808-700, which is ideal for high-temperature solid-state laser pumping applications with its high efficiency, hard solder packaging technology, high bar alignment precision and compact design. Thanks to its high optical output power, it is suitable for high energy applications.



Applications

- Designation For Guidance Systems
- Long Distance Range Finders
- Illumination for Night Visions
- Surface Treatment

	Specifications	Unit	Typical Value	Condition
Optical	QCW Output Power	W	≥700	120A, 20Hz, 250µs, @25°C
	Center Wavelength	nm	808	120A, 20Hz, 250µs, @50°C
	Wavelength Tolerance	nm	±3	120A, 20Hz, 250µs, @50°C
	Spectral Width	nm	≤3	-
Electrical	EO Efficiency	%	≥43	120A, 20Hz, 250µs, @25°C
	Threshold Current	A	≤22	-
	Operating Current	A	120	-
	Pulse Width	µs	≥200	-
	Duty Width	%	≥0,5	-
	Operating Voltage	V	≤14	120A, 20Hz, 250µs, @25°C
Thermal	Operating Temperature	°C	-40 / +70	-
	Storage Temperature	°C	-40 / +85	-







