

LT-5500 (S6)

QCW ARRAY

Lasertel's QCW array packages are engineered and manufactured to perform reliably and efficiently in the most demanding environments.

WAVELENGTHS:

✦ 808

✦ 885

✦ 940

✦ 976



LT-5500 (S6) QCW ARRAY

WAVELENGTH: 808

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	60	80	100
Operation Mode			QCW	QCW	QCW
Emission Length per Bar		mm	3	3	3
Number of Bars		#	4 to 15	4 to 15	4 to 15
Bar Pitch		mm	.35, .40	.35, .40	.35, .40
Maximum Array Output Power		W	900	1200	1500
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	50	50	50
Threshold Current		A	12	15	15
Operating Current		A	70	80	100
Operating Voltage per Bar		V	2	2	2.1
THERMAL PARAMETERS					
Operating Temperature		°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature		°C	-40 to 85	-40 to 85	-40 to 85



LT-5500 (S6) QCW ARRAY

WAVELENGTH: 885

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	60	80	100
Operation Mode			QCW	QCW	QCW
Emission Length per Bar		mm	3	3	3
Number of Bars		#	4 to 15	4 to 15	4 to 15
Bar Pitch		mm	.35, .40	.35, .40	.35, .40
Maximum Array Output Power		W	900	1200	1500
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	50	50	50
Threshold Current		A	12	15	15
Operating Current		A	70	80	100
Operating Voltage per Bar		V	2	2	2.1
THERMAL PARAMETERS					
Operating Temperature		°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature		°C	-40 to 85	-40 to 85	-40 to 85



LT-5500 (S6) QCW ARRAY

WAVELENGTH: 940

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	60	80	100
Operation Mode			QCW	QCW	QCW
Emission Length per Bar		mm	3	3	3
Number of Bars		#	4 to 15	4 to 15	4 to 15
Bar Pitch		mm	.35, .40	.35, .40	.35, .40
Maximum Array Output Power		W	900	1200	1500
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	50	50	50
Threshold Current		A	12	15	15
Operating Current		A	70	80	100
Operating Voltage per Bar		V	2	2	2.1
THERMAL PARAMETERS					
Operating Temperature		°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature		°C	-40 to 85	-40 to 85	-40 to 85



LT-5500 (S6) QCW ARRAY

WAVELENGTH: 976

TYPICAL OPTICAL PARAMETERS (@25°C)		UNITS	VALUE		
Output Power per Bar		W	60	80	100
Operation Mode			QCW	QCW	QCW
Emission Length per Bar		mm	3	3	3
Number of Bars		#	4 to 15	4 to 15	4 to 15
Bar Pitch		mm	.35, .40	.35, .40	.35, .40
Maximum Array Output Power		W	900	1200	1500
Beam Divergence					
Fast Axis (FWHM)		°	38	38	38
Slow Axis (FWHM)		°	12	12	12
TYPICAL ELECTRICAL PARAMETERS (@25°C)					
Power Conversion Efficiency		%	50	50	50
Threshold Current		A	12	15	15
Operating Current		A	70	80	100
Operating Voltage per Bar		V	2	2	2.1
THERMAL PARAMETERS					
Operating Temperature		°C	-30 to 70	-30 to 70	-30 to 70
Storage Temperature		°C	-40 to 85	-40 to 85	-40 to 85



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TECHNICAL DRAWING

DIMENSIONS IN MM

