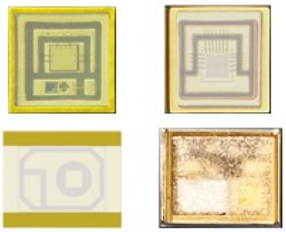
BRIGHTLASER

The competitive VCSEL & Photonic devices supplier

Brightlaser HK

Auto-Grade VCSEL Diode

Type	Characteristic of VCSEL Die				Package Forms	Applications
	Wavelength	Power (CW) Peak Power (Pulse)	No. of Aperture	Beam Angle (° Degree)		Consumable Industrial Automotive
Single Junction VCSEL 940nm	940nm± 10nm	10mW	1	20	2016AIN / TO56/ TO46	Industrial Control
		20mW	3	20	2016AIN / TO56/ TO46	
		60mW	10	20	2016AIN / TO56	
		160mW	20	20	2016AIN / TO56	
		1W	113	23	2016AIN/3535AIN	Security Surveillances
		2W	306	23	3535AIN	
		4W	598	23	3535AIN/5050AIN /6868AIN/T-mount	
Dual Junction VCSEL 940nm (Pulse Mode)	940nm± 10nm	2W	1	25	2016AIN/TO56 Chip Array: 1X4/1X8/1X16	Facial Recognition
		6W	3	25	2016AIN/TO56 Chip Array: 1X4/1X8/1X16	
		25W	10	25	2016AIN/TO56 Chip Array: 1X4/1X8/1X16	Human-Computer Interaction
		50W	20	25	2016AIN/TO56 Chip Array: 1X4/1X8/1X16	
		100W	38	25	2016AIN/TO56 Chip Array: 1X4/1X8/1X16	ADAS
		400W	306	25	3535AIN Chip Array: (customizable)	

Type & Application	Configuration (Arbitrary Chips)	Beam Angel (Horizontal × Vertical)	Package Forms	Standard & Customizable
Transceiver Flood Illuminator 3D ToF In-Cabin Sensor LiDAR	VCSEL Photodiode Diffuser	42°× 34 ° 50°× 40 ° 60°× 45 ° 72°× 58 ° 90°× 70 ° 110°× 85 ° 120°× 90 °	3532AIN 3535AIN 4050AIN	


AEC-Q102
Reliability Test Report

AEC-Q102 Certification


TEST REPORT

50g Bump Test

(50 times acceleration of gravity)

RoHS COMPLIANT · ISO 9001 UCC · AEC-Q102 · REACH compliant · CE