

HIGH POWER LIGHT SOURCE FOR SENSING APPLICATION



VCSEL

Infrared 3535 High Power VCSEL Series

Vertical-cavity surface-emitting laser technology | Narrow spectral width (<1nm typ.) | 3D depth assistance



CW power:
0.5 ~ 4W

Wavelength:
850nm / 940nm

Package Size:
3.5 x 3.5 x 1.77 mm

FWHM	Part No.	λ [nm]	Current [A]	Radiant Power [mW]	Forward Voltage [Vf]	PCE [%]
60° x 45°	PV88M65 V0	850	0.6	500	2.10	40
	PV88M64 V0	940	0.8	500	2.10	30
	PV88M65 V1	850	1.2	1,000	2.10	40
	PV88M64 V1	940	1.2	800	2.21	30
	PV88M65 V2	850	2.7	2,100	2.10	37
	PV88M64 V2	940	3	1,900	2.10	30
72° x 55°	PV88M75 V0	850	0.6	500	2.10	40
	PV88M74 V0	940	0.8	500	2.10	30
	PV88M75 V1	850	1.2	1,000	2.10	40
	PV88M74 V1	940	1.2	800	2.21	30
	PV88M75 V2	850	2.7	2,100	2.10	37
	PV88M74 V2	940	3.0	1,900	2.10	30
80° x 65°	PV88M95 V0	850	0.6	500	2.10	40
	PV88M94 V0	940	0.8	500	2.10	30
	PV88M95 V1	850	1.2	1,000	2.10	40
	PV88M94 V1	940	1.2	800	2.21	30
	PV88M95 V2	850	2.7	2,100	2.10	37
	PV88M94 V2	940	3.0	1,900	2.10	30
	PV88M94 V3	940	3.0	2,100	2.00	35
100° x 80°	PV88MA5 V0	850	0.6	500	2.10	40
	PV88MA4 V0	940	0.8	500	2.10	30
	PV88MA5 V1	850	1.2	1,000	2.10	40
	PV88MA4 V1	940	1.2	800	2.21	30
	PV88MA5 V2	850	2.7	2,100	2.10	37
	PV88MA4 V2	940	3.0	1,900	2.10	30

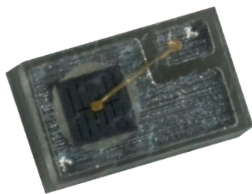
HIGH POWER LIGHT SOURCE FOR SENSING APPLICATION



VCSEL

Infrared PV10A High Power VCSEL Series

Vertical-cavity surface-emitting laser technology | Narrow spectral width (<1nm typ.) | 3D depth assistance

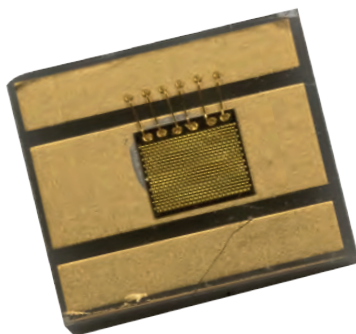


CW power: 0.5~2W
Wavelength: 850nm/940nm
Package Size: 1.6 x 1.0 x 0.8mm

Part No.	λ [nm]	Current [A]	Radiant Power [mW]	View Angle [°]
PV10A25 V0	850	0,5	400	25
PV10A25 V1	850	1,2	1,200	
PV10A24 V1	940	1,2	970	

Infrared PV88A High Power VCSEL Series

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CW power: 0.5~2W
Wavelength: 850nm/940nm
Package Size: 3.5 x 3.5 x 0.8mm

Part No.	λ [nm]	Current [A]	Radiant Power [mW]	View Angle [°]
PV88A25 V1	850	1.2	1,200	25
PV88A25 V2	850	2.7	2,100	
PV88A24 V1	940	1.2	970	
PV88A24 V2	940	3.0	2,000	