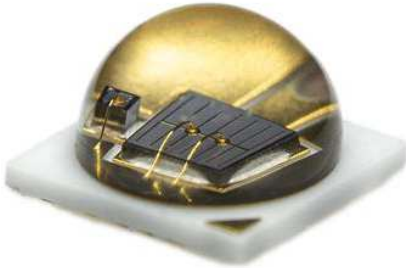


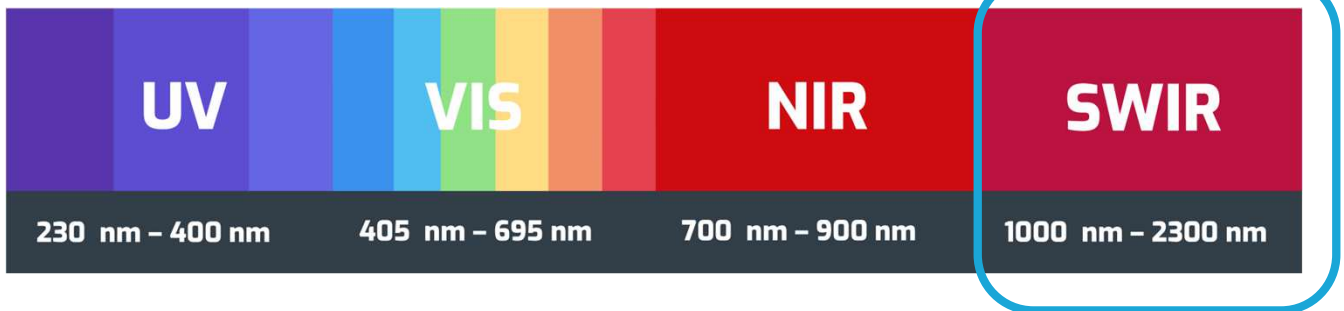


EPIGAP OSA product line

SWIR LED high power series 460 (NEW RELEASE)



- Ceramic package for superior thermal resistance
- Up to 770 mW output power
- **3.5 mm x 3.5 mm** package size
- Available in SWIR wavelengths (Material: InGaAs)
- Find datasheets on our website



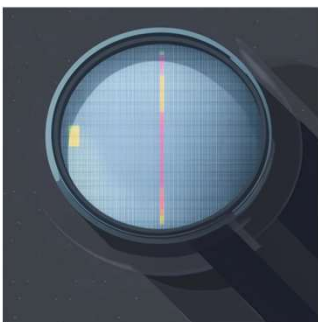
Applications



Food Industry
(Moisture detection)



Food Industry
(Detection of
foreign objects)



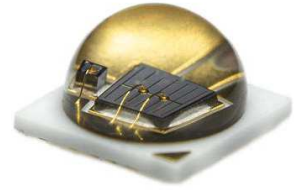
Industrial applications
(Si wafer inspection,
surface inspection)



Pharmaceutical
(Compound
identification)

High power LED | With silicone globe top | Record output power | 3.5x3.5 mm (NEW in 2025)

Series	PN	Test Current	Output Power	Radiant Intensity	λ_c (nm)	FWHM (nm)	View angle
460	OCI-460 ID1040-XS	1500 mA	770 mW	290 mW/sr	1040	50	135
460	OCI-460 ID1060-XS	1500 mA	760 mW	280 mW/sr	1060	50	135
460	OCI-460 ID1200-XS	1500 mA	340 mW	125 mW/sr	1200	70	135
460	OCI-460 ID1300-XS	1500 mA	290 mW	100 mW/sr	1300	75	135
460	OCI-460 ID1460-XS	1500 mA	190 mW	60 mW/sr	1460	80	135
460	OCI-460 ID1550-XS	1500 mA	150 mW	55 mW/sr	1550	120	135



High power LED | With glob top | Broad view angle 140° | 6.0x4.6 mm

Series	PN	Test Current	Output Power	Radiant Intensity	λ_c (nm)	FWHM (nm)	View angle
480	OCI-480 ID1040	1000 mA	360 mW	170 mW/sr	1040	50	140
480	OCI-480 ID1060	1000 mA	448 mW	128 mW/sr	1060	50	140
480	OCI-480 ID1140	1000 mA	360 mW	104 mW/sr	1140	58	140
480	OCI-480 ID1200	1000 mA	178 mW	50 mW/sr	1200	70	140
480	OCI-480 ID1300	1000 mA	190 mW	58 mW/sr	1300	75	140
480	OCI-480 ID1450	1000 mA	138 mW	43 mW/sr	1450	80	140
480	OCI-480 ID1550	1000 mA	105 mW	31 mW/sr	1550	130	140



High power LED with lens | Narrow view angle 20° | 6.0x4.6 mm

Series	PN	Test Current	Output Power	Radiant Intensity	λ_c (nm)	FWHM (nm)	View angle
490	OCI-490-20 ID1040-XE	1000 mA	360 mW	1800 mW/sr	1040	50	20
490	OCI-490-20 ID1060-XE	1000 mA	280 mW	1350 mW/sr	1060	50	20
490	OCI-490-20 ID1100-XE	1000 mA	324 mW	1700 mW/sr	1100	55	20
490	OCI-490-20 ID1140-XE	1000 mA	200 mW	1100 mW/sr	1140	60	20
490	OCI-490-20 ID1200-XE	1000 mA	90 mW	430 mW/sr	1200	70	20
490	OCI-490-20 ID1300-XE	1000 mA	72 mW	319 mW/sr	1300	85	20
490	OCI-490-20 ID1450-XE	1000 mA	52 mW	211 mW/sr	1450	140	20
490	OCI-490-20 ID1550-XE	1000 mA	36 mW	160 mW/sr	1550	130	20
490	OCI-490-20 ID1650-XE	1000 mA	30 mW	120 mW/sr	1650	150	20
490	OCI-490-20 ID1720-XG	1000 mA	40 mW		1720	130	20
490	OCI-490-20 ID1900-XG	1000 mA	41 mW		1900	130	20
490	OCI-490-20 ID2100-XG	1000 mA	9.5 mW		2100	130	20
490	OCI-490-20 ID2200-XG	1000 mA	8.7 mW		2200	150	20
490	OCI-490-20 ID2300-XG	1000 mA	3.2 mW		2300		20



SWIR LEDs | Hermetically sealed TO-46 package (NEW in 2025)

Case	Lens	PN	Test Current	Output Power	λ_c (nm)	FWHM (nm)	View angle
TO-46	Lens	EOLD-1100-015-1	100 mA	24 mW	1100	57	10
TO-46	lens	EOLD-1140-015-1	100 mA	20 mW	1140	61	10
TO-46	lens	EOLD-1200-015-1	100 mA	9 mW	1200	65	10
TO-46	lens	EOLD-1300-015-1	100 mA	9 mW	1300	82	10
TO-46	lens	EOLD-1350-015-1	100 mA	8 mW	1350	82	10
TO-46	lens	EOLD-1460-015-1	100 mA	6 mW	1450	95	10
TO-46	lens	EOLD-1550-015-1	100 mA	5 mW	1550	125	10
TO-46	lens	EOLD-1650-015-1	100 mA	4 mW	1650	130	10
TO-46	lens	EOLD-1720-015-1	100 mA	3 mW	1720	125	10
TO-46	lens	EOLD-1900-015-1	100 mA	2 mW	1900	125	10
TO-46	flat	EOLD-1040-095-1	100 mA	30 mW	1040	50	100
TO-46	flat	EOLD-1100-095-1	100 mA	33 mW	1100	58	100
TO-46	flat	EOLD-1140-095-1	100 mA	27 mW	1140	61	100
TO-46	flat	EOLD-1200-095-1	100 mA	13 mW	1200	65	100
TO-46	flat	EOLD-1300-095-1	100 mA	13 mW	1300	83	100
TO-46	flat	EOLD-1350-095-1	100 mA	13 mW	1350	82	100
TO-46	flat	EOLD-1460-095-1	100 mA	8.5 mW	1450	95	100
TO-46	flat	EOLD-1550-095-1	100 mA	7.5 mW	1550	125	100
TO-46	flat	EOLD-1650-095-1	100 mA	5 mW	1650	130	100
TO-46	flat	EOLD-1720-095-1	100 mA	4 mW	1720	125	100
TO-46	flat	EOLD-1900-095-1	100 mA	3.5 mW	1900	125	100



Are you looking to sample our LEDs? Check out our online store at Digi-Key Electronics.



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