

SEOUL SEMICONDUCTOR LEDS



Hi-Power LEDs

Z-POWER LEDs

Seoul Semiconductor, as a world class semiconductor lighting company, has been working on high brightness LEDs since 1987. You can find their LEDs all over the world in illumination, signs, displays, traffic signals, automotive components, mobile phones, etc. Z-Power LEDs from Seoul Semiconductor have a low thermal resistance. They are environmentally friendly, and have a low energy consumption with a high output.

Compatible Heat Sinks can be found in our Thermal Management Section of this Catalog.

0.8 Watt LEDs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Luminous Flux (lm)	Voltage	Current	Price Each			
								1	10	50	100
889-W92050C	W92050C	A	Pure White	6300K	28	3.65 VDC	0.15A	1.34	1.23	1.16	1.07

3.8 Watt LEDs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Luminous Flux (lm)	Voltage	Current	Price Each			
								1	10	50	100
889-R42180	R42180	B	Red	625	48	2.3 VDC	0.8A	3.96	3.62	3.43	3.15
889-G42180	G42180	B	Green	527	70	3.25 VDC	1.0A	6.64	6.08	5.74	5.28
889-B42180	B42180	B	Blue	460	22	3.25 VDC	1.0A	5.04	4.61	4.36	4.01
889-N42180H-S2	N42180H-S2	B	Warm White	3000 K	80	3.25 VDC	0.8A	5.46	4.96	4.54	4.19
889-S42180-S2	S42180-S2	B	Natural White	4000 K	60 - 70	3.2 VDC	0.8A	5.30	4.82	4.41	4.07
889-W42180T	W42180-T	B	Pure White	6500 K	70 - 90	3.2 VDC	1.0A	6.71	6.10	5.58	5.15
889-W42180U	W42180-U	B	Pure White	6500 K	91 - 118	3.2 VDC	1.0A	8.91	8.10	7.41	6.84
889-R42182	R42182	C	Red	625	48	2.3 VDC	0.8A	4.56	4.17	3.94	3.63
889-G42182	G42182	C	Green	527	70	3.25 VDC	1.0A	7.24	6.62	6.26	5.76
889-B42182	B42182	C	Blue	460	22	3.25 VDC	1.0A	5.64	5.16	4.88	4.48
889-N42182H-S2	N42182H-S2	C	Warm White	3000 K	80	3.25 VDC	0.8A	6.12	5.56	5.09	4.70
889-S42182-S2	S42182-S2	C	Natural White	4000 K	60 - 70	3.2 VDC	0.8A	5.96	5.42	4.96	4.58
889-W42182T	W42182-T	C	Pure White	6500 K	70 - 90	3.2 VDC	1.0A	7.37	6.70	6.13	5.66
889-W42182U	W42182-U	C	Pure White	6500 K	91 - 118	3.2 VDC	1.0A	9.57	8.70	7.96	7.35
889-F50360	F50360	D	RGB	625/525/460	35/57/13	2.5/3.8/3.6	0.35A	10.75	9.71	8.98	8.22

10 Watt LED

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Luminous Flux (lm)	Voltage	Current	Price Each			
								1	10	50	100
889-W724C0	W724C0	E	Pure White	6300K	700	3.6VDC	2.8A	20.69	18.32	17.78	17.12

ACRICHE SERIES AC LEDS

Designed for AC source operations and high flux output applications, Acriche is semi-permanent and environmental friendly semiconductor lighting that can be used in AC without additional devices. Acriche's thermal management performance exceeds other power LED solutions. This series incorporates state of the art SMD design and thermal emission material. These LEDs are ideal light sources for general illumination applications.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Luminous Flux (lm)	Voltage (max.)	Current	Price Each			
								1	10	50	100
889-AW2200	AW2200	E	Pure White	6300 K	80	110 VAC	20mA	13.91	12.92	12.16	11.55
889-AW3220	AW3220	F	Pure White	6300 K	195	220 VAC	20mA	18.28	16.98	15.98	15.18
889-AW2204	AW2204	G	Pure White	6500 K	80	100 VAC	20mA	14.64	13.60	12.80	12.16
889-AW2214	AW2214	G	Pure White	6500 K	80	110 VAC	20mA	10.75	9.71	8.98	8.22
889-AW2211	AW2211	H	Pure White	6500 K	150	110 VAC	40mA	24.71	22.95	21.60	20.52
889-AN2200	AN2200	E	Warm White	3000 K	65	110 VAC	20mA	13.91	12.92	12.16	11.55
889-AN3220	AN3220	F	Warm White	3000 K	150	220 VAC	20mA	18.28	16.98	15.98	15.18
889-AN2204	AN2204	G	Warm White	3000 K	65	110 VAC	20mA	14.64	13.60	12.80	12.16
889-AN2214	AN2214	G	Warm White	3000 K	65	110 VAC	20mA	14.64	13.60	12.80	12.16
889-AN2211	AN2211	H	Warm White	3000 K	120	110 VAC	40mA	24.71	22.95	21.60	20.52

SIDE VIEW LEDS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Intensity (mcd) (max.)	Voltage (max.)	Current	Price Each			
								1	50	100	500
889-SWAF05	SWAF05	I	White	5600-14000K	1850	3.5 VDC	20mA	.80	.61	.49	.38
889-SWAF07	SWAF07	I	White	5600-14000K	1700	3.7 VDC	20mA	.55	.42	.34	.26
889-SWAF0B	SWAF0B	I	White	5600-14000K	1600	3.7 VDC	20mA	.80	.61	.49	.38

TOP VIEW LEDS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength/Color Temp.	Intensity (mcd) (max.)	Voltage (max.)	Current	Price Each			
								1	50	100	500
889-UHPT801	UHPT801	J	Red	630nm	500	2.2 VDC	20mA	.80	.61	.49	.42
889-SUYT801	SUYT801	J	Yellow	587nm	350	2.0 VDC	20mA	.80	.61	.49	.42
889-UYGT801	UYGT801	J	Yellow Green	573nm	105	2.1 VDC	20mA	.50	.38	.31	.26
889-MGT801	MGT801	J	Green	520nm	690	3.6 VDC	20mA	1.01	.77	.63	.48
889-MBT801	MBT801	J	Blue	470nm	600	3.2 VDC	20mA	1.01	.77	.62	.53
889-AWT801-S	AWT801-S	J	Warm White	2500 - 4600K	2300	3.2 VDC	20mA	.88	.67	.57	.46
889-KWT801S	KWT801S	J	White	4800 - 12000K	1200	3.2 VDC	20mA	1.26	.96	.78	.60
889-UHPT722	UHPT722	K	Red	630nm	1175	2.2 VDC	20mA	2.44	1.86	1.51	1.16
889-HYT722	HYT722	K	Yellow	590nm	1700	2.2 VDC	20mA	2.06	1.57	1.27	.98
889-MGT722	MGT722	K	Green	527nm	1800	3.3 VDC	20mA	3.61	2.75	2.24	1.72
889-MBT722	MBT722	K	Blue	470nm	860	3.3 VDC	20mA	3.61	2.75	2.24	1.72
889-SFT722N-S	SFT722N-S	K	RGB	623/527/460 nm	1100/1600/560	2.1/3.2/3.2	20mA	3.07	2.34	1.90	1.46

