

## SWIR LED (Standard Size □350um)

Part Number	Characteristics				Dimension		
	Po[mW] Typ. If=20mA	Vf[V] Max. If=20mA	λp[nm] Typ. If=20mA	Rated Current [mA]	Size [μm]	thickness [μm]	Top side
SE03S	8.9	1.6	1,040	120	350*350	180	N
S7FRS	9.5	1.3(typ.)	1,070	100	350*350	180	N
E2RF2S	5.2	1.0(typ.)	1,200	100	350*350	180	N
E3RF2S	5.5	1.0(typ.)	1,300	100	350*350	180	N
E3HF2S	5.2	0.9(typ.)	1,350	100	350*350	180	N
E4RF2S	4.6	0.9(typ.)	1,460	100	350*350	180	N
E5RF2S	3.7	0.9(typ.)	1,550	100	350*350	180	N
E6RF2S	2.8	0.8(typ.)	1,650	100	350*350	180	N
E7AFRS	1.8	0.8(typ.)	1,720	100	350*350	180	N
E9RF2S	2.1	0.8(typ.)	1,900	100	350*350	180	N

## SWIR LED (Large Size □1mm)

Part Number	Characteristics				Dimension		
	Po[mW] Typ. If=100mA	Vf[V] Max. If=100mA	λp[nm] Typ. If=100mA	Rated Current [mA]*DC w/heat sink	Size [μm]	thickness [μm]	Top side
SE09S	52.0	1.1(typ.)	1,040	420	1080*1080	180	N
SS09S	54.0	1.1(typ.)	1,060	450	1080*1080	180	N
SU09S	51.0	1.1(typ.)	1,100	410	1080*1080	180	N
SV09S	40.0	1.1(typ.)	1,140	410	1080*1080	180	N
E2RXBR	25.0	1.0(typ.)	1,200	TBD	1080*1080	150	N
E3RXBR	28.0	0.9(typ.)	1,300	TBD	1080*1080	150	N
E3JXBS	20.0	0.9(typ.)	1,380	TBD	1080*1080	180	N
E4RXBR	23.3	0.8(typ.)	1,460	TBD	1080*1080	150	N
E5RXBR	19.4	0.8(typ.)	1,550	TBD	1080*1080	150	N
E6RXBR	14.6	0.8(typ.)	1,650	TBD	1080*1080	150	N
E7AXBS	11.0	0.8(typ.)	1,720	TBD	1080*1080	180	N
E9RXBR	10.6	0.7(typ.)	1,900	TBD	1080*1080	150	N

## High Efficiency NIR LED

Part Number	Characteristics				Dimension		
	Po[mW] Typ. If=20mA	Vf[V] Max. If=20mA	λp[nm] Typ. If=20mA	Rated Current [mA]	Size [μm]	thickness [μm]	Top side
SD03S	10.5	1.8	810	120	350*350	180	N
SJ03S	9.8	1.8	830	120	350*350	180	N
SB03S	10.5	1.8	850	120	350*350	180	N
SC01S	9.5	1.6	880	100	320*320	180	N
SOFRS	7.0	1.5	950	120	350*350	180	N
SK03S	7.6	1.6	980	120	350*350	180	N

## Conventional NIR/Red LED

Part Number	Characteristics				Dimension		
	Po[mW] Typ. If=20mA	Vf[V] Max. If=20mA	λp[nm] Typ. If=20mA	Rated Current [mA]	Size [μm]	thickness [μm]	Top side
PR7A	1.8	2.0	660	50	280*280	160	N
PR5J	2.3	2.2	670	50	320*320	160	N
NR4J -33	4.5	2.0	730	50	320*320	150	N
NR4J -43	4.0	2.0	740	50	320*320	150	N
NR4J -63	3.5	2.0	760	50	320*320	150	N
NR4J -83	3.5	2.0	780	50	320*320	150	N
FR4G F67	1.3	1.6	890	50	280*280	150	N
I96J	3.5	1.6	900	100	320*320	160	N
FR4G F77	1.8	1.6	910	50	280*280	150	N

## Point Source LED

Production	Characteristics				Dimension		
	Po[mW] Typ. If=16mA	Vf[V] Max. If=16mA	λp[nm] Typ. If=16mA	Emission Area [μm]	Size [μm]	thickness [μm]	Top side
PRCFJ5W	1.2	1.9	650	φ150	250*400	180	P
IR3MH	0.8	1.8	850	φ80	190*330	280	P
IR4MS	1.0	1.5	860	φ85	190*330	180	P
IR3SH	1.6	1.6	870	φ150	345*345	350	P

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Web Site <https://www.infrared-led.com/>

For more information on Ultra High Power Type IR LED and NIR LED, please contact us.

DOWA ELECTRONICS MATERIALS CO.,LTD.



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