

Infrared Light Emitting Diodes (SIR · SIM)

Versions include card remote control (SIR-320ST3) for custom application.

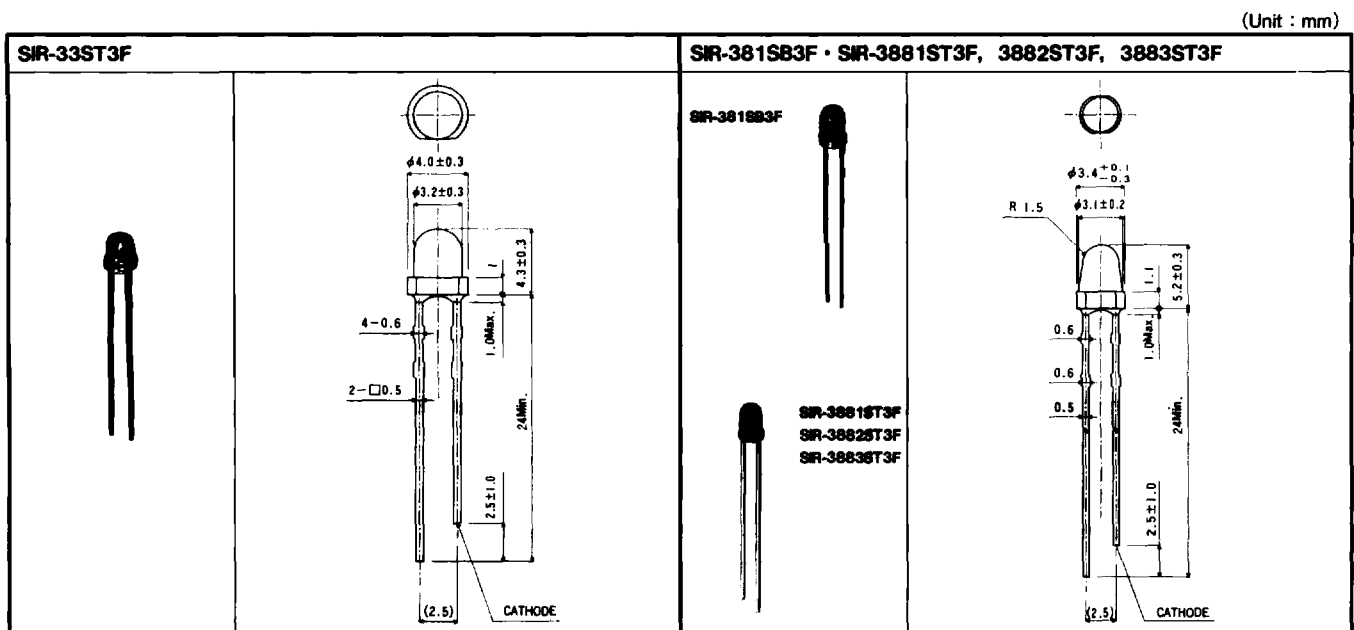
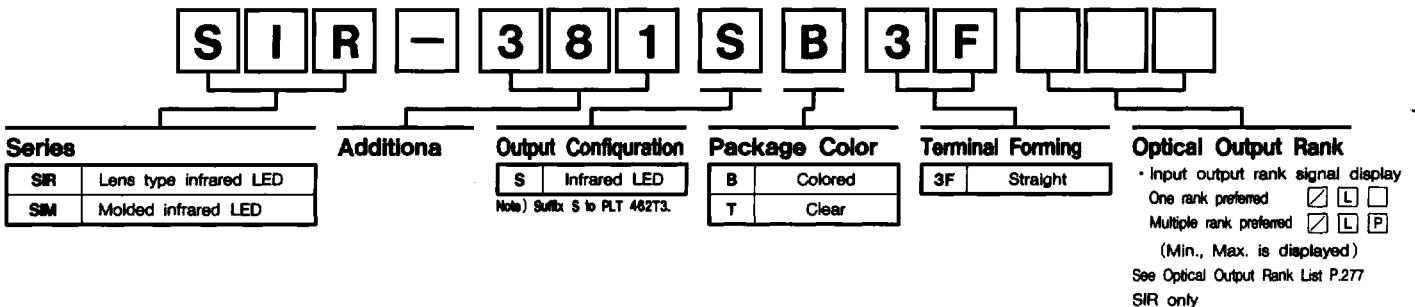
Package	Part No.	Feature	Absolute maximum ratings	Standard Characteristics							Basic ordering unit	Rank
			I_F (mA)	P_o (mW)	I_F (mA)	V_F (V)	I_F (mA)	λ_p (nm)	t_r, t_f (μs)	$\theta_{1/2}$ (deg)		
3 ϕ Resin	SIR-33ST3F	Small yet high output power	50	8	50	1.4	50	950	1	28	2,000	○
	SIR-381SB3F	Small yet high output power	100	8	50	1.4	50	950	1	20	2,000	◎
	SIR-3881ST3F	High-speed optical communications LED	100	12	50	1.7	50	850	$f_c=25\text{MHz}$	18	2,000	◎
	SIR-3882ST3F	High-speed optical communications LED	100	8	50	1.5	50	850	$f_c=50\text{MHz}$	18	2,000	◎
5 ϕ Resin	SIR-3883ST3F	High-speed optical communications LED	100	16	50	1.7	50	850	$f_c=12\text{MHz}$	18	2,000	◎
	SIR-481ST3F	Best suitable for remote controller	100	9	50	1.4	100	940	1	25	1,000	◎
	SIR-482ST3F	Best suitable for remote controller	100	10	50	1.3	100	940	1	25	1,000	◎
	SIR-56SB3F	Best suitable for remote controller	100	8	50	1.38	100	950	1	23	1,000	◎
	SIR-563SB3F	High power remote controller	100	11	50	1.34	50	940	1	23	1,000	◎
	SIR-567ST3F	GaAlAs high output type	75	10	50	1.6	50	880	0.5	16	1,000	◎
	SIR-5681ST3F	High-speed optical communications LED	100	12	50	1.7	50	850	$f_c=25\text{MHz}$	15	1,000	◎
	SIR-5682ST3F	High-speed optical communications LED	100	8	50	1.5	50	850	$f_c=50\text{MHz}$	15	1,000	◎
	SIR-5683ST3F	High-speed optical communications LED	100	16	50	1.7	50	850	$f_c=12\text{MHz}$	15	1,000	◎
Side view resin	SIM-20SB	Mold type general purpose	50	6.5	50	1.25	50	950	1	15	2,000	◎
	SIM-22ST	Mold type general purpose	50	0.48Min.	10	1.25	50	950	1	30	2,000	◎

◎ : Standard products

* : Cutoff frequency

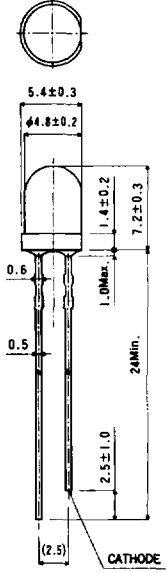
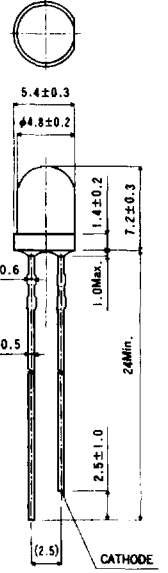
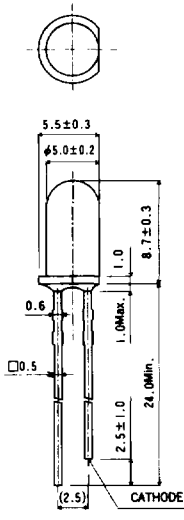
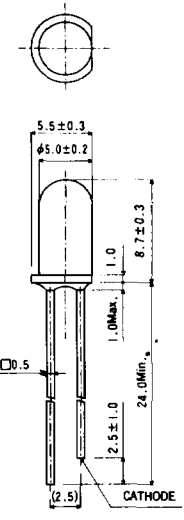
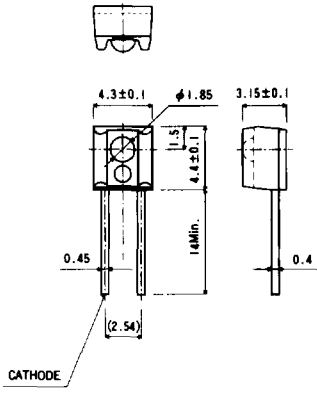
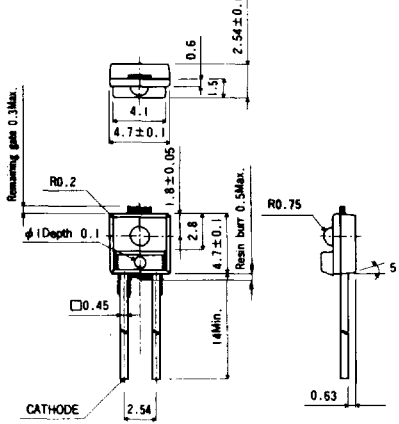
●Product Designation

- When ordering, specify the type.
- Check each code against the code tables shown below.
- Fill a space with the next character.



(Unit : mm)

Infrared Light Emitting Diodes
Sensors

SIR-481ST3F 	 5.4±0.3 φ4.8±0.2 1.4±0.2 7.2±0.3 0.6 1.0Max. 24Min. 2.5±1.0 (2.5) CATHODE	SIR-482ST3F 	 5.4±0.3 φ4.8±0.2 1.4±0.2 7.2±0.3 0.6 1.0Max. 24Min. 2.5±1.0 (2.5) CATHODE
SIR-56SB3F · 563SB3F · SIR-5681ST3F, 5682ST3F, 5683ST3F   SIR-563SB3F SIR-5681ST3F SIR-5682ST3F SIR-5683ST3F	 5.5±0.3 φ5.0±0.2 8.7±0.3 1.0 1.0Max. 24.0Min. 2.5±1.0 (2.5) CATHODE	SIR-567ST3F 	 5.5±0.3 φ5.0±0.2 8.7±0.3 1.0 1.0Max. 24.0Min. 2.5±1.0 (2.5) CATHODE
SIM-20SB 	 4.3±0.1 φ1.85 3.15±0.1 1.5 4.4±0.1 14Min. 0.45 (2.54) CATHODE	SIM-22ST 	 Remaining gage 0.3Max. R0.2 φ (Depth 0.1) 0.45 (2.54) CATHODE 2.54 14Min. 4.7±0.1 2.8 1.8±0.05 0.5 2.54±0.1 R0.75 0.63