

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



INFRARED EMITTERS AND PHOTO DETECTORS

Focus Products

Infrared Emitters						
Part Number	Package Form	Package Dimensions L x W x H (mm)	Peak Emission Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (± °)	Rise Time (ns)
0805						
VSMY1850ITX01	 0805	2 x 1.25 x 0.85	850	10	60	10
VSMY4850			850	8		7
VSMY1940ITX01			940	10		10
VSMB1940ITX01			940	6		15
Gullwing and Reverse Gullwing						
VSMY2853GX01 -RGX01	 Gullwing, reverse gullwing	2.3 x 2.3 x 2.55	850	50	28	10
VSMF2893GX01, -RGX01			890	20	25	30
VSMB2943GX01, -RGX01			940	20	25	15
VSMY2943GX01, -RGX01			940	50	28	10
VSMY2850GX01 -RGX01	 Gullwing, reverse gullwing	2.3 x 2.3 x 2.8	850	125	10	10
VSMY2940GX01, -RGX01			940	145	10	10
VSMF2890RGX01, -RGX01			890	40	12	30
VSMB294008G, -RG			940	70	7	15
VSMB2020X01, -2000X01			940	40	12	15
Side View Dome Lens						
VSMY2853SLX01	 Side view lens	2.3 x 2.55 x 2.3	850	50	28	10
VSMF2893SLX01			890	20	25	30
VSMY2943SLX01			940	50	28	10
VSMB2943SLX01			940	20	25	15
PLCC-2						
VSMY7852X01	 Little Star®	6.0 x 7.0 x 1.5	850	55	60	8
VSMY7850X01			850	200		15
VSMG2720	 PLCC-2	3.5 x 2.8 x 1.75	830	14	60	15
VSMY3850			850	17		10
VSMF4720			870	16		15
VSMF3710			890	10		30
VSMB3940X01			940	13		15
VSMY3940X01			940	15		10
Side View						
VSMY14940	 Side view lens	3.0 x 2.51 x 1.2	940	90	9	5
VSMB14940		3.2 x 2.51 x 1.2	940	35		15
VSMB14942			940	26		16
VSMG10850	 Side view, 1.0 mm	3 x 2 x 1	850	1	75	15
VSMB10940X01			940			15
VSMB11940X01	 Side view, 0.6 mm	3 x 2 x 0.6	940	1	75	15
Power QFN						
VSMY98145DS	 Power QFN	3.85 x 3.85 x 2.24	810	500	45	30
VSMY98525DS		3.85 x 3.85 x 3.00		1000	25	14
VSMY98545		3.85 x 3.85 x 2.24	850	380	45	15
VSMY9854535				370		15
VSMY98545ADS				630		30
VSMY99445DS		3.85 x 3.85 x 1.51	940	500	75	15
VSMY9857535				180		15
VSMY98575ADS				320		14

Note: VSMYx = SurfLight™ surface emitters; X01 parts are AEC-Q101-qualified



INFRARED EMITTERS AND PHOTO DETECTORS

Focus Products

Photo Detectors							
Part Number	Output Type	Package Form	Package Dimensions L x W x H (mm)	Peak Wavelength λ_p (nm)	Spectral Bandwidth (nm)	Output Current (μ A)	Angle of Half Sensitivity ϕ (\pm °)
TEMT7000X01	Phototransistor	0805	2 x 1.25 x 0.85	850	470 to 1090	450	60
TEMT7100ITX01				870	750 to 1010	450	
TEMD7000ITX01	PIN photodiode		2 x 1.25 x 0.85	900	350 to 1120	3	70
TEMD7100ITX01				950	750 to 1050	3	
VEMD1060X01				820	350 to 1070	1.8	
VEMD1160X01				840	700 to 1070	1.8	
VEMT2023X01, -2003X01				Phototransistor	Gullwing, reverse gullwing	2.3 x 2.3 x 2.55	
VEMT2523X01, -2503X01	PIN photodiode			850	470 to 1090	2.7 mA	
VEMD2023X01, -2003X01	Phototransistor	Gullwing, reverse gullwing	2.3 x 2.3 x 2.8	940	750 to 1050	10	15
VEMD2523X01, -2503X01				900	350 to 1120	10	
VEMT2020X01, -2000X01	Phototransistor	Gullwing, reverse gullwing	2.3 x 2.3 x 2.8	860	790 to 970	6 mA	15
VEMT2520X01, -2500X01				850	470 to 1090	6 mA	
VEMD2020X01, -2000X01	PIN photodiode		2.3 x 2.3 x 2.8	940	750 to 1050	12	15
VEMD2520X01, -2500X01				900	350 to 1120	12	
VEMT2023SLX01	Phototransistor	Side view lens	2.3 x 2.55 x 2.3	860	790 to 970	2.7 mA	35
VEMT2523SLX01	PIN photodiode			850	470 to 1090	2.7 mA	
VEMD2023SLX01			PIN photodiode		940	750 to 1050	10
VEMD2523SLX01	900	350 to 1120			10		
VBP104FAS, -FASR	PIN photodiode	Gullwing, reverse gullwing	6.4 x 3.9 x 1.2	950	780 to 1050	35	65
VBP104S, -SR				940	430 to 1100	35	
VBPW34FAS, -FASR				950	780 to 1050	55	
VBPW34S, -SR				940	430 to 1100	55	
VEMT3700	Phototransistor	PLCC-2	3.5 x 2.8 x 1.75	850	450 to 1080	0.5 mA	60
VEMT3700F				940	870 to 1050	0.5 mA	
VEMT4700		PLCC-3		850	450 to 1080	0.5 mA	
VEMT4700F				940	870 to 1050	0.5 mA	
VEMD10940FX01	PIN photodiode	Side view	3 x 2 x 1	950	780 to 1050	3	75
VEMD11940FX01	PIN photodiode	Side view	3 x 2 x 0.6	950	780 to 1050	1.13	75
TEMD5010X01	PIN photodiode	Top view	5 x 4.24 x 1.12	940	430 to 1100	55	65
TEMD5110X01				940	790 to 1050	55	
TEMD5020X01				900	430 to 1100	35	
TEMD5120X01				940	790 to 1050	35	
VEMD5010X01	PIN photodiode	FAM	5 x 4 x 0.9	940	430 to 1100	48	65
VEMD5110X01				940	790 to 1050		
VEMD5060X01				820	350 to 1070	26	
VEMD5160X01				840	700 to 1070		
VEMD5080X01		1206	4 x 2 x 1.05	950	350 to 1100	45	60
VEMD6010X01				900	430 to 1100	9.5	
VEMD6110X01				950	750 to 1050		
VEMD6060X01				820	380 to 1070	5	
VEMD6160X01				840	700 to 1070		
VEMD8080				Top view	4.8 x 2.5 x 0.48	950	
Parts With Infrared Light Blocking Filter							
TEMD6200FX01	PIN photodiode	0805	2 x 1.25 x 0.85	540	430 to 610	0.04	60
TEMT6200FX01	Phototransistor		2 x 1.25 x 0.85	550	450 to 610	23	
TEMD5510FX01	PIN photodiode	PCB	5 x 4.24 x 1.12	540	430 to 610	1	65
VEMD5510C		FAM	5 x 4 x 0.9	550	440 to 700	0.6	65
VEMD5510CF			5 x 4 x 0.9	540	440 to 620	0.25	

Receivers and Emitters for Light Barriers



If you want to create a security perimeter, determine if a vending item dropped, start a compacting cycle when trash reaches a certain level, or stop a conveyor belt when product reaches a certain point, and you want to do it inexpensively and reliably, then you've come to the right place. Using Vishay's infrared emitters to emit light and fixed gain IR receivers to receive light, a light barrier system can be added to any application.

EMITTERS

- Narrow and wide angles of intensity
- Surface-mount or through-hole packages
- Fast rise and fall times
- Broad selection of intensities

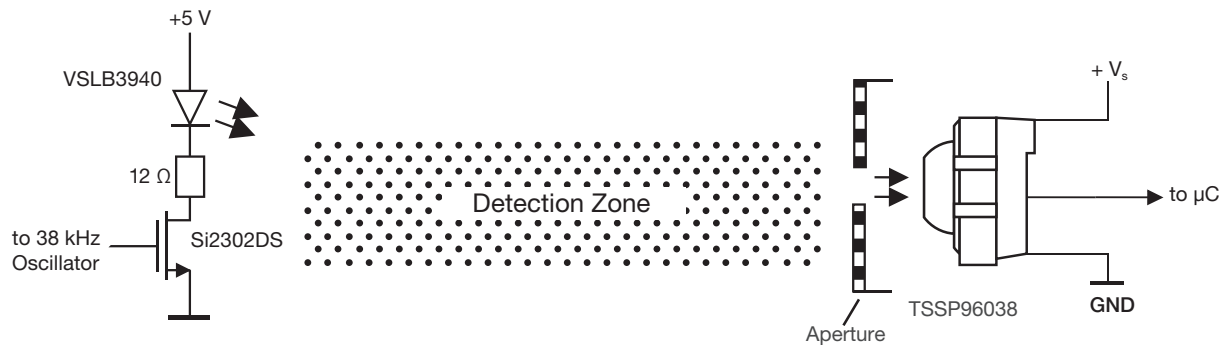
RECEIVERS

- Fixed gain so sensitivity is unaffected and repeatable
- High sensitivity with range up to 40 m
- Demodulated output can be directly connected to a μC

APPLICATIONS

- Garage door safety switch
- Elevator door safety switch
- Revolving door safety switch
- Conveyor systems
- Automatic door activation
- Moving sidewalk activation
- Escalator activation
- Industrial perimeter guards
- Burglar alarm
- Vending machines
- Automatic trash compactors

Vishay's TSSP AGC zero products (TSSPxx0xx) feature a fixed gain. This means that the detection threshold and resulting detection distance are fixed. Once such optical parameters as the intensity of the emitter, the aperture in front of the receiver, and the alignment of emitter and detector are determined, the sensor will have stable, repeatable performance under moderate lighting conditions. In high brightness conditions a receiver with reduced sensitivity like the [TSSP93038ZA](#) provides more safety against unwanted output pulses, alternatively an aperture could be used to reduce the sensitivity of a standard TSSP-receiver. The output of the sensor is the demodulated signal of the 940 nm emitter transmitting modulated bursts at 38 kHz or 56 kHz. An example circuit diagram is shown below.


RECEIVERS












Code, Applications	Carrier Freq. (kHz)							
		Belobog 3.95 W x 3.95 H x 0.8 D (mm)	Belobog Shield 4.3 W x 4.3 H x 1.0 D (mm)	Heimdall 6.8 W x 3.0 H x 3.2 D (mm)	Panhead 7.5 W x 5.3 H x 4.0 D (mm)	Mold 6.0 W x 6.95 H x 5.6 D (mm)	Minicast 5.0 W x 6.95 H x 4.8 D (mm)	Minimold 5.4 W x 6.35 H x 4.9 D (mm)
Presence sensor (fixed gain)	38 56	TSSP570..	TSSP570..H	TSSP770.. TSSP950..	TSSP60.. TSSP960..	TSSP40.. TSSP940..	TSSP580.. TSSP980..	TSSP530.. TSSP930..




























EMITTERS (940 nm)









Part Number	Package	L x W x H (mm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)
TSAL6100	T1¼	∅ 5	170	10	15
TSAL6200	T1¼	∅ 5	72	17	15
VSLY3943	T1	∅ 3	70	17	5
VSLB3940	T1	∅ 3	40	22	15
TSAL4400	T1	∅ 3	36	25	15
VSMY14940	Side-View Lens	3.0 x 2.51 x 1.2	90	9	5
VSMB2020X01	Gullwing	2.3 x 2.3 x 2.8	40	12	15
VSMB2943G	Gullwing	2.3 x 2.3 x 2.55	20	25	15
VSMB2943SL	Side-Looker Lens	2.3 x 2.55 x 2.3	20	25	15
VSMY2941GX01	Gullwing	2.3 x 2.3 x 2.8	160	8	5
VSMY2943GX01	Gullwing	2.3 x 2.3 x 2.55	50	28	10



































INFRARED EMITTERS























Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (±°)	Rise Time (ns)	Radiant Power (mW)
CQY36N		leaded	T-3/4Ø	1.8 950	1.5		55	800	
CQY37N		leaded	T-3/4Ø	1.8 950	5		12	800	
TB9408VA		chip	chip	0.2 x 0.2 x 0.19	940	4.0	80	15	3.5
TB9414VA		chip	chip	0.37 x 0.37 x 0.19	940	4.3	80	15	21
TS8510VB		chip	Chip	0.260 x 0.260 x 0.17	855	n/a	60	10	18
TS8514VB		chip	Chip	0.355 x 0.355 x 0.17	855	n/a	60	10	38
TS9410VB		chip	Chip	0.260 x 0.260 x 0.17	940	n/a	60	10	20
TS9414VB		chip	Chip	0.355 x 0.355 x 0.17	940	n/a	60	10	40
TSAL4400		leaded	T-1Ø	3 940	36		25	15	
TSAL6100		leaded	T-1 1/4Ø	5 940	170		10	15	
TSAL6100UL		leaded	T-1 1/4Ø	5 940	170		10	15	
TSAL6102		leaded	T-1 1/4Ø	5 940	220		10	15	
TSAL6200		leaded	T-1 1/4Ø	5 940	72		17	15	
TSAL6400		leaded	T-1 1/4Ø	5 940	50		25	15	
TSAL7200		leaded	T-1 1/4Ø	5 940	72		17	15	
TSFF5210		leaded	T-1 1/4Ø	5 870	180		10	15	
TSFF5410		leaded	T-1 1/4Ø	5 870	70		22	15	
TSFF5510		leaded	T-1 1/4Ø	5 870	32		38	15	
TSFF6210		leaded	T-1 1/4Ø	5 870	180		10	15	
TSFF6410		leaded	T-1 1/4Ø	5 870	70		22	15	
TSHA4400		leaded	T-1Ø	3 875	20		20	600	












Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
TSHA4401		leaded	T-1 \varnothing 3	875	30		20	600	
TSHA5200		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	40		12	600	
TSHA5201		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	50		12	600	
TSHA5202		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	60		12	600	
TSHA5203		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	65		12	600	
TSHA5500		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	30		24	600	
TSHA6200		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	40		12	600	
TSHA6201		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	50		12	600	
TSHA6202		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	60		12	600	
TSHA6203		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	65		12	600	
TSHA6203UL		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	65		12	600	
TSHA6500		leaded	T-1 $\frac{3}{4}$ \varnothing 5	875	30		24	600	
TSHF5210		leaded	T-1 $\frac{3}{4}$ \varnothing 5	890	180		10	30	
TSHF5410		leaded	T-1 $\frac{3}{4}$ \varnothing 5	890	70		22	30	
TSHF6210		leaded	T-1 $\frac{3}{4}$ \varnothing 5	890	180		10	30	
TSHF6410		leaded	T-1 $\frac{3}{4}$ \varnothing 5	890	70		22	30	
TSHG5210		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	230		10	20	
TSHG5410		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	90		18	20	
TSHG5510		leaded	T-1 $\frac{3}{4}$ \varnothing 5	830	32		38	15	
TSHG6200		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	180		10	20	
TSHG6210		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	230		10	20	
TSHG6400		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	70		22	20	
TSHG6410		leaded	T-1 $\frac{3}{4}$ \varnothing 5	850	90		18	20	
TSHG8200		leaded	T-1 $\frac{3}{4}$ \varnothing 5	830	180		10	20	
TSHG8400		leaded	T-1 $\frac{3}{4}$ \varnothing 5	830	70		22	20	
TSMF1000, TSMF102									
TSML1000		surface mount	Reverse gullwing	2.5 x 2 x 2.7	940	11	12	15	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
TSML1020		surface mount	Gullwing	2.5 x 2 x 2.7	940	11	12	15	
TSML1030		surface mount	Yoke	2.5 x 2 x 2.7	940	11	12	15	
TSML1040		surface mount	Axial leads	2.5 x 2 x 2.7	940	11	12	15	
TSSF4500		leaded	Side view lens	4.5 x 4 x 4.8	890	20	22	30	
TSSS2600		leaded	Side view lens	3.6 x 2.2 x 5	950	2.6	25	800	
TSTA7100		leaded	TO-18 \varnothing 4.7	875	50		5	600	
TSTA7300		leaded	TO-18 \varnothing 4.7	875	20		12	600	
TSTA7500		leaded	TO-18		875	6	30	600	
TSTS7100		leaded	TO-18 \varnothing 4.7	950	> 10		5	800	
TSTS7300		leaded	TO-18 \varnothing 4.7	950	6.3		12	800	
TSTS7500		leaded	TO-18		950	1.6	30		
VSLB3940		leaded	T-1 \varnothing 3	940	65		22	15	
VSLB3948		leaded	T-1 \varnothing 3	940	65		22	15	
VSLB4940		leaded	T-1 \varnothing 3	940	65		22	15	
VSLY3850		leaded	T-1 \varnothing 3	850	70		18	10	
VSLY3943		leaded	T-1 \varnothing 3	940	70		17	5	
VSLY5850		leaded	T-1 $\frac{1}{4}$ \varnothing 5	850	600		3	10	
VSLY5940		leaded	T-1 $\frac{1}{4}$ \varnothing 5	940	600		3	10	
VSMA1085250		surface-mount	High power with lens	3.4 x 3.4 x 2.9	860	1350 850	28	850 10	
VSMA1085400		surface-mount	High power with lens	3.4 x 3.4 x 2.45	860	925 850	40	850 10	
VSMA1085600		surface-mount	High power with lens	3.4 x 3.4 x 1.8	860	490 850	60	850 10	
VSMA1094250		surface-mount	High power with lens	3.4 x 3.4 x 2.9	950	1250 940	28	940 10	
VSMA1094400		surface-mount	High power with lens	3.4 x 3.4 x 2.45	950	850 940	40	940 10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMA1094600		surface-mount	High power with lens	3.4 x 3.4 x 1.8	950	460 940	60	940 10	
VSMB10940		surface mount	side view	3 x 2 x 1	940	1	75	15	
VSMB10941X01		surface-mount	Side view lens	3 x 2 x 1	940	1	75	15	
VSMB14940		surface mount	Side view lens	3.2 x 2.51 x 1.2	940	35	9	15	
VSMB1940ITX01		surface mount	0805	2 x 1.25 x 0.85	940	6	60	15	
VSMB1940X01		surface mount	0805	2 x 1.25 x 0.85	940	6	60	15	
VSMB2000X01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	40	12	15	
VSMB2020X01		surface mount	Gullwing	2.3 x 2.3 x 2.8	940	40	12	15	
VSMB294008G		surface mount	Gullwing	2.3 x 2.3 x 2.8	940	70	7	15	
VSMB294008RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	70	7	15	
VSMB2943GX01		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2943RGX01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2943SLX01		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	20	25	15	
VSMB2948G		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2948RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	20	25	15	
VSMB2948SL		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	20	25	15	
VSMB3940X01		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	13	60	15	
VSMD66694		surface mount	square PCB	2 x 2 x 0.87	660	2.3	60	10	
VSML3710		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	9.5	60	15	
VSMY12850		surface mount	Top view	3.2 x 1.6 x 1.1	850	16	40	10	
VSMY12940		surface mount	Top view	3.2 x 1.6 x 1.1	940	16	40	10	
VSMY14940		surface-mount	Side view lens	3.0 x 2.51 x 1.2	940	90	9	5	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMY1850		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1850ITX01		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1850X01		surface mount	0805	2 x 1.25 x 0.85	850	10	60	10	
VSMY1940ITX01		surface mount	0805	2 x 1.25 x 0.85	940	10	60	10	
VSMY1940X01		surface mount	0805	2 x 1.25 x 0.85	940	10	60	10	
VSMY1943X01		surface-mount	0805	2 x 1.25 x 0.85	940	6	60	5	
VSMY2850G		surface-mount	Gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2850GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2850RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2850RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	850	125	10	10	
VSMY2853G		surface-mount	Gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	850	50	28	10	
VSMY2853SL		surface-mount	Side view lens	2.3 x 2.55 x 2.3	850	50	28	10	
VSMY2853SLX01		surface-mount	Side view lens	2.3 x 2.55 x 2.3	850	50	28	10	
VSMY2890GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	890	135	10	15	
VSMY2890RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	890	135	10	15	
VSMY2893GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2893RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2893SLX01		surface-mount	Side view lens	2.3 x 2.3 x 2.55	890	50	28	15	
VSMY2940G		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	145	10	10	

Part Number	Product Image	Package Type	Package Form	Package Dimensions (L x W x H) (mm)	Peak Wavelength (nm)	Radiant Intensity (mW/sr)	Angle of Half Intensity (\pm°)	Rise Time (ns)	Radiant Power (mW)
VSMY2940GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2940RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2940RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	145	10	10	
VSMY2941GX01		surface-mount	Gullwing	2.3 x 2.3 x 2.8	940	160	8	5	
VSMY2941RGX01		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.8	940	160	8	5	
VSMY294310G		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	25	25	10	
VSMY294310RG		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	25	25	10	
VSMY294310SL		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	25	25	10	
VSMY2943G		surface-mount	Gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943GX01		surface mount	Gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943RG		surface-mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943RGX01		surface mount	Reverse gullwing	2.3 x 2.3 x 2.55	940	50	28	10	
VSMY2943SL		surface-mount	Side view lens	2.3 x 2.55 x 2.3	940	50	28	10	
VSMY2943SLX01		surface mount	Side view lens	2.3 x 2.55 x 2.3	940	50	28	10	
VSMY3850		surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	17	60	10	
VSMY385010		surface mount	PLCC-2	3.5 x 2.8 x 1.75	850	9	60	10	
VSMY385010X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	850	12	60	7	
VSMY3850X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	850	17	60	10	
VSMY3890X01		surface-mount	PLCC-2	3.5 x 2.8 x 1.75	890	18	60	10	
VSMY3940X01		surface mount	PLCC-2	3.5 x 2.8 x 1.75	940	15	60	10	
VSMY4850X01		surface-mount	0805	2 x 1.25 x 0.8	850	8	60	7	
VSMY5850		surface-mount	0805	2 x 1.25 x 0.8	850	13	60	7	
VSMY5850X01		surface-mount	0805	2 x 1.25 x 0.8	850	13	60	7	

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VSMY5890		surface-mount	0805	2 x 1.25 x 0.8	890	13	60	7	
VSMY5890X01		surface-mount	0805	2 x 1.25 x 0.8	890	13	60	7	
VSMY5940		surface-mount	0805	2 x 1.25 x 0.8	940	13	60	7	
VSMY5940X01		surface-mount	0805	2 x 1.25 x 0.8	940	13	60	7	
VSMY98145DS		surface mount	High power with lens	3.85 x 3.85 x 2.24	810	500	45	30	
VSMY98525DS		surface-mount	High power with lens	3.85 x 3.85 x 3.00	850	1000	25	14	
VSMY98545		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	380	45	15	
VSMY9854535		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	370	45	15	
VSMY98545ADS		surface mount	High power with lens	3.85 x 3.85 x 2.24	850	630	45	14	
VSMY9857535		surface mount	High power with lens	3.85 x 3.85 x 1.51	850	180	75	30	
VSMY98575ADS		surface-mount	High power with lens	3.85 x 3.85 x 1.51	850	320	75	14	

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