

SINGLE-COLOR LEDs



Ta=25°C

パッケージ Package	品名 Part name	発光色 Emitted color	電氣的・光学的特性 / Electro-optical characteristics								絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
			色度座標 Chromaticity coordinates <sup>※1</sup>		ドミナント発光波長 Dominant wavelength $\lambda_d$ Typ.	発光光度 Luminous intensity $I_v$		順電圧 Forward voltage $V_F$		指向半値角 Half-intensity angle $2\theta_{1/2}$ ( $\theta_x/\theta_y$ )	指向特性 Spatial distribution	選別電流 Sorting current $I_F$	順電流 Forward current $I_F$	順電流低減率 Forward current reduction rate $\Delta I_F$		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					mA/°C	°C				
単位 (Units)			-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.	
 0.29mg	FHD1105P		-	-	570	6.3	9	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHY1105P		-	-	590	22.5	32	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHA1105P		-	-	604	28	40	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHR1105P		-	-	623	22.5	32	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
 1.4mg	VCEW1151CDS-3BZH3		0.281	0.263	-	82	120	3.1	3.5	160 / 168		10	20	0.80	85	-40~+100	-40~+110	4,000	
	VCKW1151CDS-3C6L3		0.316	0.316	-	270	350	3.3	3.5	160 / 168		20	25	1.00	85	-40~+100	-40~+110	4,000	
 1.4mg	VCEW1151CCS-3BZD4		0.192	0.270	-	82	110	3.1	3.5	160 / 168		10	20	0.80	85	-40~+100	-40~+110	4,000	
	VCKW1151CCS		0.194	0.280	-	220	330	3.3	3.5	160 / 168		20	25	1.00	85	-40~+100	-40~+110	4,000	
 1.4mg	VCEW1151CA3S-3BYX2		0.179	0.162	-	68	91	3.1	3.5	160 / 168		10	20	0.80	85	-40~+100	-40~+110	4,000	
	VCKW1151CA3S		0.179	0.162	-	150	330	3.3	3.5	160 / 168		20	25	1.00	85	-40~+100	-40~+110	4,000	
 1.4mg	SJW1151CKS-100		0.535	0.430	-	220	280	3.2	3.6	150 / 165		20	25	0.63	60	-30~+100	-40~+100	4,000	
 2.54mg	VCEW1154RDS (reverse mount type)		0.285	0.299	-	68	120	3.1	3.5	160 / 168		10	20	0.80	85	-40~+100	-40~+110	3,500	

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SURFACE MOUNT LEDs

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYS

IR LEDs / PHOTO DETECTORS / OPTICAL SENSORS

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		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>※1</sup>		ドミナント発光波長 Dominant wavelength $\lambda_d$ Typ.	発光光度 Luminous intensity $I_v$		順電圧 Forward voltage $V_f$		指向半値角 Half-intensity angle $2\theta_{1/2}$ ( $\theta_x/\theta_y$ )	指向特性 Spatial distribution	選別電流 Sorting current $I_f$	順電流 Forward current $I_f$	順電流低減率 Forward current reduction rate $\Delta I_f$		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					mA/°C	°C				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
 1.4mg	VCDB1111C-5AY3B		-	-	470	6.8	10	3.0	3.3	110 / 130		5	8	0.50	85	-40~+100	-40~+105	4,000	
	VCDG1111C-4BY3C		-	-	530	68	100	3.0	3.3	110 / 130		5	20	0.40	60	-40~+100	-40~+105	4,000	
	VFHL1111C-4B23C		-	-	562	12	18	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHD1111C-3B72B		-	-	572	33	43	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHY1111C-3BX2D		-	-	590	56	75	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHA1111C-3BZ2C		-	-	605	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHV1111C-3BY2B		-	-	615	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHR1111C-3BY2A		-	-	626	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
 1.4mg	VCKB1111CS		-	-	468	82	110	3.3	3.5	155 / 165		20	25	1.00	85	-40~+100	-40~+110	4,000	
 1.4mg	VJDY1111C-4C54C		-	-	589	220	330	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDA1111C-4C72C		-	-	606	330	470	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDV1111C-4C74A		-	-	616	330	470	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDR1111C-4C52A		-	-	626	220	330	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDR1111C-4C21C		-	-	635	120	180	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	

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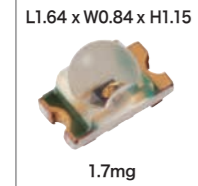
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パッケージ Package	品名 Part name	発光色 Emitted color	電気的光学的特性/Electro-optical characteristics								指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θx/θy)	指向特性 Spatial distribution	絶対最大定格/Absolute maximum ratings					標準梱包 数量 Standard qty./Reel	WEB
			色度座標 Chromaticity coordinates <sup>*1</sup>		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I <sub>v</sub>		順電圧 Forward voltage V <sub>F</sub>		選別電流 Sorting current I <sub>F</sub>			順電流 Forward current I <sub>F</sub>	順電流低減率 Forward current reduction rate ΔI <sub>F</sub>	動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg			
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.								mA		
単位 (Units)			-	-	nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.	
	VCDB1104P-4B83B		-	-	470	39	56	3.0	3.3	45 / 50		5	8	0.50	85	-40~+100	-40~+105	3,000	
	VCDG1104P-5C63C		-	-	530	270	470	3.0	3.3	45 / 50		5	20	0.40	60	-40~+100	-40~+105	3,000	
	VFHL1104P-4B63C		-	-	562	27	40	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHD1104P-4BY2B		-	-	573	68	100	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHY1104P-4C42D		-	-	589	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDY1104P-4CY3C		-	-	589	680	1,000	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHA1104P-4C42C		-	-	606	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDA1104P-4D12C		-	-	606	1,000	1,500	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHV1104P-4C62B		-	-	616	270	420	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDV1104P-4D13A		-	-	615	1,000	1,500	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHR1104P-4C42A		-	-	626	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1104P-4CZ2A		-	-	626	820	1,200	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1104P-4C81C		-	-	635	390	560	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	



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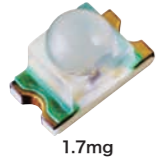
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		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>*1</sup>		ドミナント発光波長 Dominant wavelength $\lambda_d$ Typ.	発光光度 Luminous intensity		順電圧 Forward voltage		指向半値角 Half-intensity angle $2\theta_{1/2}$ ( $\theta_x/\theta_y$ )	指向特性 Spatial distribution	選別電流 Sorting current $I_F$	順電流 Forward current $I_F$	順電流低減率 Forward current reduction rate		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					$\Delta I_F$	Derating start temp. °C				
単位 (Units)		-	-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	pcs.		
 <p>L1.64 x W0.84 x H1.26 1.7mg</p>	VFHL1116P-4BX3C		-	-	562	56	82	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHD1116P-4C32B		-	-	573	150	220	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHY1116P-4C82D		-	-	589	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDY1116P-4D33C		-	-	589	1,500	2,200	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHA1116P-4C82C		-	-	606	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDA1116P-4D52C		-	-	606	2,200	3,300	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDV1116P-4D43A		-	-	615	1,800	2,700	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHR1116P-4C82A		-	-	626	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1116P-4D32A		-	-	626	1,500	2,200	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1116P-4CZ1C		-	-	635	820	1,500	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	

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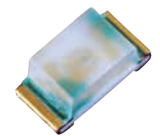

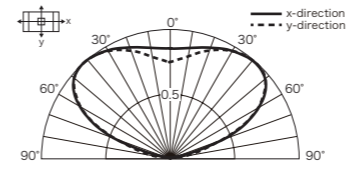


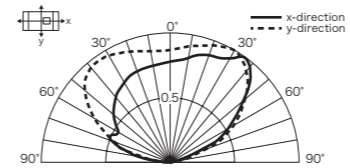


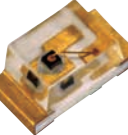







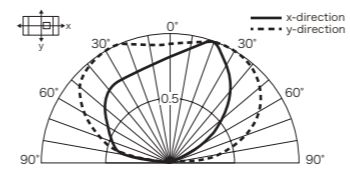
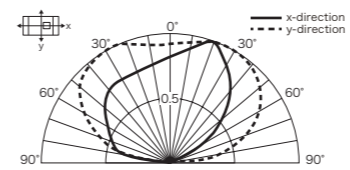


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		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>-1</sup>		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity		順電圧 Forward voltage		指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I <sub>F</sub>	順電流 Forward current I <sub>F</sub>	順電流低減率 Forward current reduction rate		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					ΔI <sub>F</sub>	Derating start temp. °C				
単位 (Units)		-	-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.	
L1.6 x W0.8 x H0.7  1.4mg	THG1111C-0005		-	-	530	33	100	3.0	3.2	140 / 140		5	20	0.26	25	-40~+85	-40~+100	4,000	
	YBG1101C-M		-	-	562	4.3	12	2.0	2.5	110 / 130		20	30	0.43	25	-40~+85	-40~+100	4,000	
YPY1101C-2005-M		-	-	569	4	8	2.0	2.4	120 / 130	5		30	0.43	25	-40~+85	-40~+100	4,000		
YPY1101C-M		-	-	571	19.8	35	2.1	2.5	120 / 130	20		30	0.43	25	-40~+85	-40~+100	4,000		
L1.62 x W0.8 x H0.8  1.8mg	FY1101C-2005-M		-	-	590	10	20	1.9	2.4	130 / 130		5	30	0.43	25	-40~+85	-40~+100	4,000	
	FY1101C-M		-	-	590	35	65	1.9	2.4	130 / 130		20	30	0.43	25	-40~+85	-40~+100	4,000	
	FA1101C-2005-M		-	-	605	10	25	1.9	2.4	130 / 130		5	30	0.43	25	-40~+85	-40~+100	4,000	
	FA1101C-M		-	-	605	35	90	2.0	2.4	130 / 130		20	30	0.43	25	-40~+85	-40~+100	4,000	
	FR1101C-2005-M		-	-	623	10	20	1.9	2.4	130 / 130		5	30	0.43	25	-40~+85	-40~+100	4,000	
	FR1101C-M		-	-	626	35	80	2.0	2.4	130 / 130		20	30	0.43	25	-40~+85	-40~+100	4,000	
L1.6 x W0.8 x H0.7  1.4mg	FKY1111C		-	-	589	150	270	2.1	2.6	110 / 140		20	30	0.40	25	-40~+85	-40~+100	4,000	
	FKR1111C		-	-	625	150	220	2.1	2.6	110 / 140		20	30	0.40	25	-40~+85	-40~+100	4,000	

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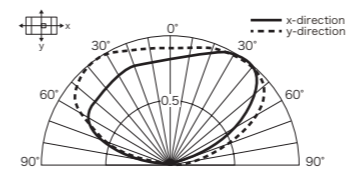



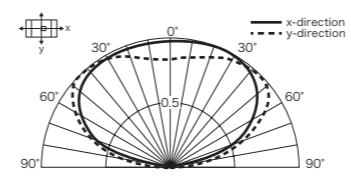
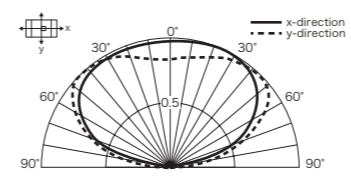





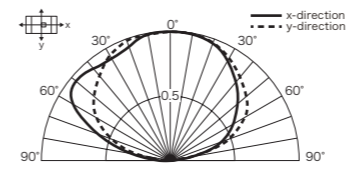
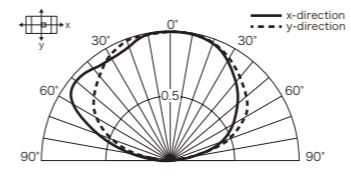


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		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>※1</sup>		ドミナント発光波長 Dominant wavelength $\lambda_d$ Typ.	発光光度 Luminous intensity $I_v$		順電圧 Forward voltage $V_f$		指向半値角 Half-intensity angle $2\theta_{1/2}$ ( $\theta_x/\theta_y$ )	指向特性 Spatial distribution	選別電流 Sorting current $I_f$	順電流 Forward current $I_f$	順電流低減率 Forward current reduction rate $\Delta I_f$		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					mA/°C	°C				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
 <p>L2.0 x W1.25 x H0.8 2.84mg</p>	VCDB1112H-5AY3B		-	-	470	6.8	10	3.0	3.3	130 / 140		5	8	0.50	85	-40~+100	-40~+105	4,000	
	VCDG1112H-4BY3C		-	-	530	68	100	3.0	3.3	130 / 140		5	20	0.40	60	-40~+100	-40~+105	4,000	
	VFHL1112H-4B13C		-	-	562	10	15	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHD1112H-3B72B		-	-	572	33	43	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHY1112H-3BY2D		-	-	590	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHA1112H-3BZ2C		-	-	605	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHV1112H-3BZ2B		-	-	615	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHR1112H-3BY2A		-	-	626	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
 <p>L2.0 x W1.25 x H0.8 2.84mg</p>	FKY1112H		-	-	588	150	270	2.1	2.6	140 / 140			20	30	0.40	25	-40~+85	-40~+100	4,000
	FKA1112H		-	-	605	220	390	2.1	2.6	140 / 140			20	30	0.40	25	-40~+85	-40~+100	4,000
	FKR1112H		-	-	623	150	270	2.1	2.6	140 / 140	20		30	0.40	25	-40~+85	-40~+100	4,000	

※製品画像は代表的なものです/The pictures illustrate representative products.  
※1 CIE1931に基づく/In accordance with CIE1931



SURFACE MOUNT LEDs

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYs

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INFORMATION

SURFACE MOUNT LEDs

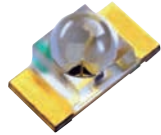

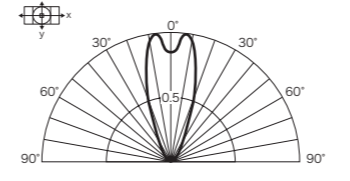

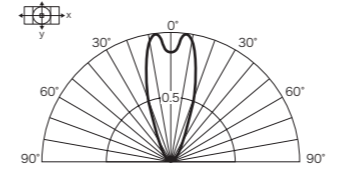

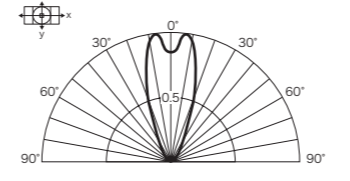
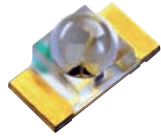

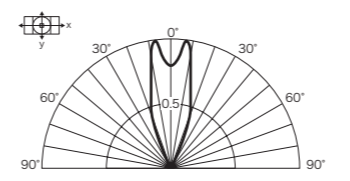

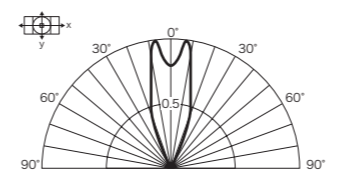

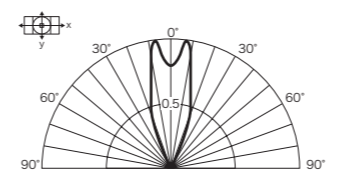
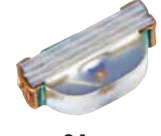

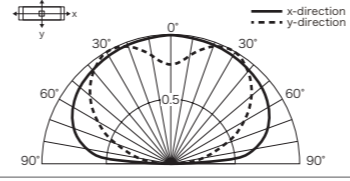

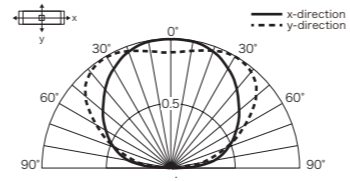

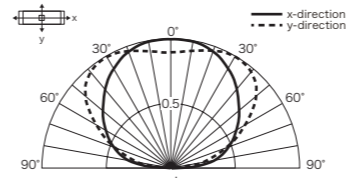

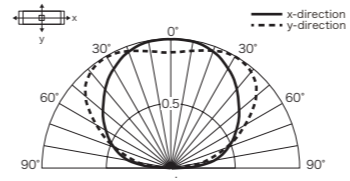
THROUGH-HOLE LEDs / LED NUMERIC DISPLAYs

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SINGLE-COLOR LEDs

パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>※1</sup>		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I <sub>v</sub>		順電圧 Forward voltage V <sub>F</sub>		指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I <sub>F</sub>	順電流 Forward current I <sub>F</sub>	順電流低減率 Forward current reduction rate ΔI <sub>F</sub>		動作温度 Operating temperature Topr		
x Typ.	y Typ.		Min.	Typ.		Typ.	Max.	mA/°C	°C					°C	°C			
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.	
 L3.2 x W1.6 x H1.85 7.81mg	VFJD1105W-5C63A		-	-	572	270	430	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+105	2,000
	VFJY1105W-4C92D		-	-	589	470	680	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+105	2000
	VFR1105W-6C9		-	-	626	470	820	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+120	2000
 L3.2 x W1.6 x H1.85 7.81mg	FKY1105W		-	-	589	1,000	2,200	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2,000
	FKA1105W		-	-	605	1,500	3,300	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2000
	FKR1105W		-	-	624	1,000	2,200	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2000
 L2.1 x W1.0 x H0.6 2.1mg	VCDG1113F-4BY3C		-	-	530	68	100	3.0	3.3	170 / 135		5	20	0.40	60	-40~+100	-40~+105	4,000
	YPY1113F-1215		-	-	572	6.3	10	1.9	2.4	140 / 150		5	15	0.21	25	-40~+85	-40~+100	4,000
	FKY1113F		-	-	589	150	270	2.1	2.6	140 / 130		20	30	0.40	25	-40~+85	-40~+100	4,000
	FKR1113F		-	-	625	150	275	2.1	2.6	140 / 130		20	30	0.40	25	-40~+85	-40~+100	4,000

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 ※1 CIE1931に基づく / In accordance with CIE1931

SURFACE MOUNT LEDs

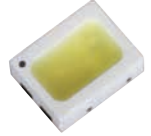

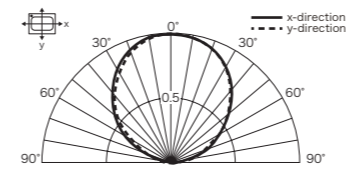

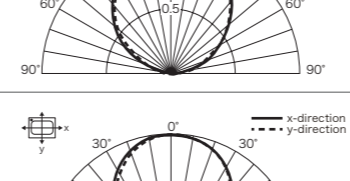


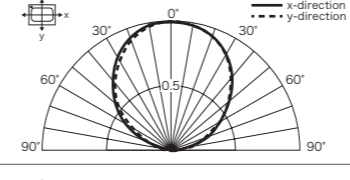

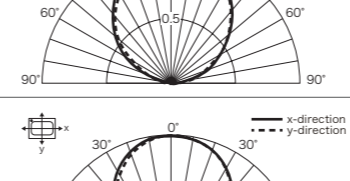


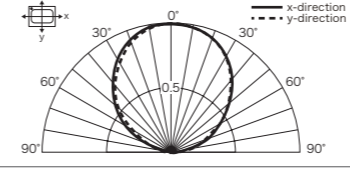

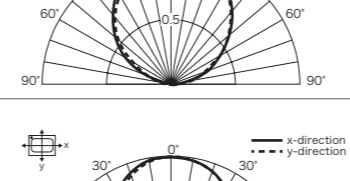
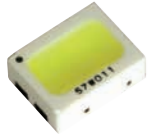

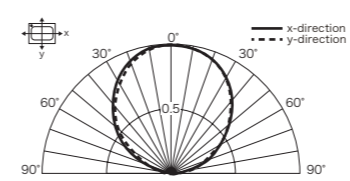


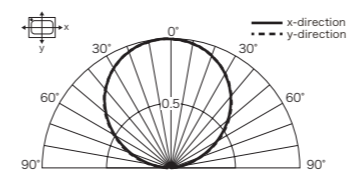


THROUGH-HOLE LEDs / LED NUMERIC DISPLAYs

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SINGLE-COLOR LED<sub>s</sub>

パッケージ Package	品名 Part name	電気的光学的特性/Electro-optical characteristics										絶対最大定格/Absolute maximum ratings					標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>*1</sup> x   y Typ.   Typ.		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I <sub>v</sub> Min.   Typ.		順電圧 Forward voltage V <sub>f</sub> Typ.   Max.		指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θ <sub>x</sub> /θ <sub>y</sub> )	指向特性 Spatial distribution	選別電流 Sorting current I <sub>f</sub>	順電流 Forward current I <sub>f</sub>	順電流低減率 Forward current reduction rate ΔI <sub>f</sub> Derating start temp.		動作温度 Operating temperature Topr		
単位 (Units)		-	-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.
L2.2 x W1.7 x H0.75  8.2mg	VCEW1152GDS		0.297	0.303	-	82	180	3.2	3.5	115 / 115		10	20	0.80	85	-40~+100	-40~+110	3,000
	VSTW1152GDSE-3D3L3		0.316	0.316	-	1,500	1,900	3.15	3.65	115 / 115		30	40	1.60	85	-40~+100	-40~+110	3,000
L2.2 x W1.7 x H0.75  8.2mg	VCEW1152GCS		0.200	0.300	-	82	150	3.2	3.5	115 / 115		10	20	0.80	85	-40~+100	-40~+110	3,000
	VSTW1152GCSE		0.205	0.305	-	1,000	1,800	3.15	3.65	115 / 115		30	40	1.60	85	-40~+100	-40~+110	3,000
L2.2 x W1.7 x H0.75  8.2mg	VCEW1152GA3S		0.172	0.142	-	68	120	3.2	3.5	115 / 115		10	20	0.80	85	-40~+100	-40~+110	3,000
	VSTW1152GA3SE		0.188	0.176	-	680	1,100	3.15	3.65	115 / 115		30	40	1.60	85	-40~+100	-40~+110	3,000
L2.2 x W1.7 x H0.75  8.2mg	VCEL1152GS		0.368	0.587	-	120	210	3.2	3.5	115 / 115		10	20	0.80	85	-40~+100	-40~+110	3,000
L2.2 x W1.7 x H0.75  8.2mg	VFSY1112GS-3CY2D		-	-	590	680	900	2.0	2.8	115 / 115		20	70	2.80	85	-40~+100	-40~+110	3,000
	VFSV1112GS-3CY2A		-	-	613	680	1,000	2.0	2.8	115 / 115		20	70	2.80	85	-40~+100	-40~+110	3,000
	VFSR1112GS-3CX2A		-	-	624	560	700	2.0	2.8	115 / 115		20	70	2.80	85	-40~+100	-40~+110	3,000

\*1 CIE1931に基づく/In accordance with CIE1931



SURFACE MOUNT LED<sub>s</sub>

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UV LED<sub>s</sub>

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THROUGH-HOLE LED<sub>s</sub> / LED NUMERIC DISPLAY<sub>s</sub>

IR LED<sub>s</sub> / PHOTODETECTORS / OPTICAL SENSORS

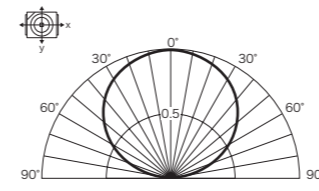
UV LED<sub>s</sub>

INFORMATION



SINGLE-COLOR LEDs

パッケージ Package	品名 Part name	電気的光学的特性/Electro-optical characteristics										絶対最大定格/Absolute maximum ratings					標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>*1</sup>		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity Iv Min. Typ.		順電圧 Forward voltage Vf Typ. Max.		指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current If	順電流 Forward current If	順電流低減率 Forward current reduction rate ΔIf		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Typ.	Typ.	mA	mA					mA/°C	°C				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
	VCEB1104LS		-	-	466	33	60	3.1	3.5	115 / 115		10	20	0.57	85	-40~+100	-40~+120	2,000	
	VCHB1104LSE		-	-	465	82	150	3.3	3.8	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VCEG1104LS		-	-	525	82	250	3.2	3.6	115 / 115		10	20	0.57	85	-40~+100	-40~+120	2,000	
	VFHG1104LS		-	-	561	18	25	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFJG1104LS		-	-	561	27	37	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFHP1104LS		-	-	570	56	78	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFJP1104LS		-	-	572	82	120	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFGP1104LS		-	-	570	180	255	2.2	2.6	120 / 120		50	50	1.43	85	-40~+100	-40~+120	2,000	
	VFHY1104LS		-	-	589	120	170	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFJY1104LS		-	-	589	180	255	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFGY1104LS		-	-	589	470	645	2.2	2.6	120 / 120		50	70	1.43	71	-40~+100	-40~+120	2,000	
	VFSY1104LS		-	-	592	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40~+100	-40~+120	2,000	
	VFHA1104LS		-	-	606	120	170	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFGA1104LS		-	-	606	680	910	2.2	2.6	120 / 120		50	70	1.43	71	-40~+100	-40~+120	2,000	
	VFHV1104LS		-	-	616	120	170	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFGV1104LS		-	-	616	680	940	2.2	2.6	120 / 120		50	70	1.43	71	-40~+100	-40~+120	2,000	
	VFSV1104LS		-	-	616	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40~+100	-40~+120	2,000	
	VFHR1104LS		-	-	626	100	140	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFJR1104LS		-	-	632	150	210	2.0	2.5	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VFSR1104LS		-	-	626	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40~+100	-40~+120	2,000	



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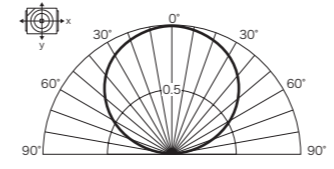



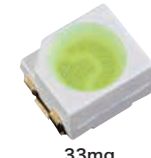

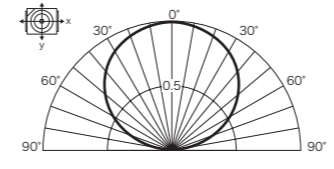



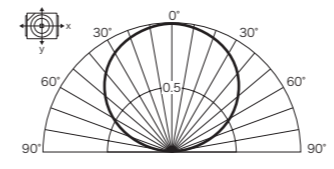


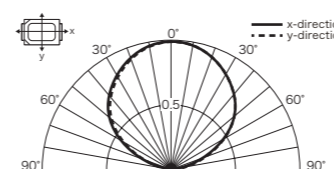

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYs

IR LEDs / PHOTODETECTORS / OPTICAL SENSORs

UV LEDs

INFORMATION

SINGLE-COLOR LED<sub>s</sub>

パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										絶対最大定格 / Absolute maximum ratings					標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates <sup>※1</sup> x y Typ. Typ.		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I <sub>v</sub> Min. Typ.		順電圧 Forward voltage V <sub>F</sub> Typ. Max.		指向半値角 Half-intensity angle 2θ <sub>1/2</sub> (θ <sub>x</sub> /θ <sub>y</sub> )	指向特性 Spatial distribution	選別電流 Sorting current I <sub>F</sub>	順電流 Forward current I <sub>F</sub>	順電流低減率 Forward current reduction rate ΔI <sub>F</sub> Derating start temp.		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
単位 (Units)		-	-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.	
 L3.5 x W2.8 x H1.9 33mg	VCEW1154LDS-3C4K3		0.304	0.298	-	180	250	3.1	3.5	115 / 115		10	20	0.57	85	-40~+100	-40~+120	2,000	
	VCHW1154LDSE-3C9L4		0.287	0.272	-	470	540	3.3	3.8	120 / 120		20	30	0.86	85	-40~+100	-40~+120	2,000	
	VSTW1154LDSE-3D4K3		0.304	0.298	-	1,800	2,200	3.4	3.9	120 / 120		30	40	1.14	85	-40~+100	-40~+120	2,000	
 L3.5 x W2.8 x H1.9 33mg	VSTW1154LCSE-3D3B3		0.200	0.300	-	1,500	2,000	3.4	3.9	120 / 120		30	40	1.14	85	-40~+100	-40~+120	2,000	
 L3.5 x W2.8 x H1.9 33mg	VSTW1154LA3SE-3D1E3		0.202	0.177	-	1,000	1,300	3.4	3.9	120 / 120		30	40	1.14	85	-40~+100	-40~+120	2,000	
 L2.17 x W1.4 x H1.3 8mg	VCEW1158LDS-3C3K3		0.304	0.298	-	150	190	3.1	3.5	120 / 120		10	20	0.80	85	-40~+100	-40~+110	3,000	
	VCHW1158LDS-3C5A3		0.255	0.255	-	220	330	3.1	3.6	110 / 110		10	20	0.57	85	-40~+100	-40~+120	3,000	

※製品画像は代表的なものです / The pictures illustrate representative products.  
 ※1 CIE1931に基づく / In accordance with CIE1931

SURFACE MOUNT LED<sub>s</sub>

THROUGH-HOLE LED<sub>s</sub> / LED NUMERIC DISPLAY<sub>s</sub>

IR LED<sub>s</sub> / PHOTODETECTORS / OPTICAL SENSOR<sub>s</sub>

UV LED<sub>s</sub>

INFORMATION

SURFACE MOUNT LED<sub>s</sub>

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INFORMATION

# Mouser Electronics

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