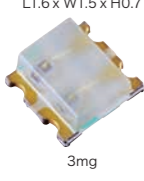

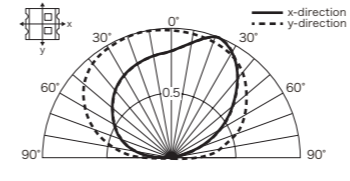

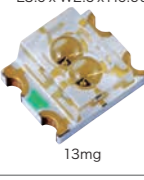

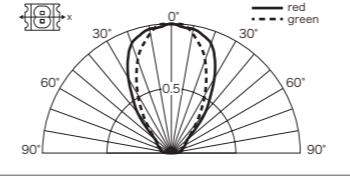

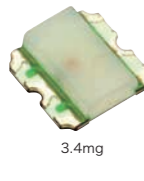

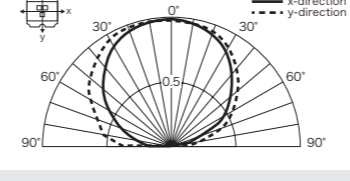





BI-COLOR LEDs / TRI-COLOR LEDs

Ta=25°C

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
			Typ. x	Typ. y		Min.	Typ.	Typ.	Max.					mA/°C	°C				
単位 (Units)			x	y	nm	mcd		V		deg.	mA	mA	mA/°C	°C	°C	°C	°C	pcs.	
L1.6 x W1.5 x H0.7  3mg	FRYPY1211C-0005		-	-	570	6.3	12	1.95	2.4	115 / 140		5	15	0.21	25	-40~+85	-40~+100	4,000	
			-	-	626	14	30	1.85	2.4										
L3.0 x W2.5 x H0.96  13mg	DRD1204W		-	-	572	70	130	2.0	2.4	θx 60		20	30	0.43	25	-40~+85	-40~+100	2,500	
			-	-	626	100	184	2.0	2.4										θx 70
L2.04 x W2.04 x H0.6  3.4mg	ARGB1313HS		-	-	473	-	180	3.1	3.8	125 / 145		12	30 20 <sup>※2</sup>	0.750 0.500 <sup>※2</sup>	60	-40~+85	-40~+100	4,000	
			-	-	527	-	850	3.2	3.8										
			-	-	622	-	450	2.1	2.8										
			0.300	0.320	-	-	1,350	-	-										

※1 CIE1931に基づく/In accordance with CIE1931  
 ※2 2色または3色点灯時/When two or three LEDs with different colors are illuminated



SURFACE MOUNT LEDs

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYS

IR LEDs / PHOTODETECTORS / OPTICAL SENSORS

INFORMATION

SURFACE MOUNT LEDs



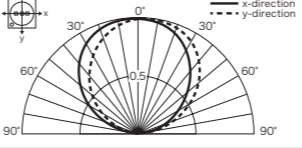

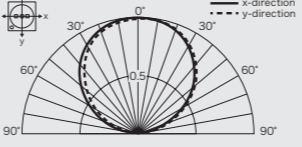

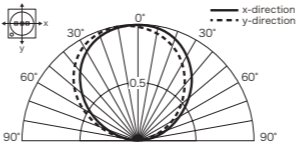



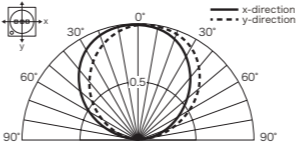

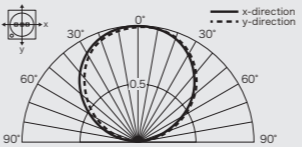

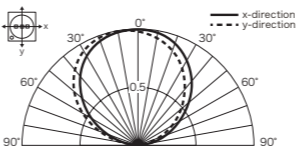



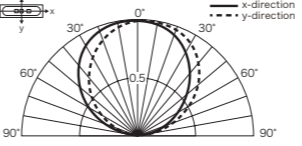

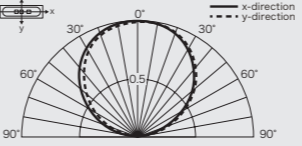

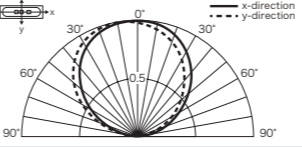

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYS

IR LEDs / PHOTODETECTORS / OPTICAL SENSORS

INFORMATION

TRI-COLOR LEDs

Ta=25°C

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 $\lambda_d$ 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
			Typ.	Typ.		Min.	Typ.	Typ.	Max.					$\Delta I_F$	Derating start temp.				
単位 (Units)		x	y	nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
 <p>L3.0 x W2.8 x H0.6 10mg</p>	CRGB1314ASE		-	-	469	-	300	3.1	3.7	120 / 120		14	30 15 <sup>*2</sup>	0.750 0.375 <sup>*2</sup>	60	-40~+85	-40~+100	4,000	
			-	-	532	-	2,080	3.2	3.9			23	30 25 <sup>*2</sup>	0.750 0.625 <sup>*2</sup>	60				
			-	-	622	-	820	2.1	2.8			22	30 30 <sup>*2</sup>	0.750 0.750 <sup>*2</sup>	60				
			0.300	0.320	-	-	3,100	-	-		-	Blue : 14 Green : 23 Red : 22	Blue : 15 Green : 25 Red : 30	-	-				
 <p>L3.0 x W2.8 x H0.6 10mg</p>	CRGB1314ASE-500		-	-	469	100	300	3.1	3.7	120 / 120		14	25 20 <sup>*2</sup>	0.65 0.50 <sup>*2</sup>	80	-40~+100	-40~+120	4,000	
			-	-	532	1,500	2,080	3.2	3.9			23	25 25 <sup>*2</sup>	0.65 0.65 <sup>*2</sup>	80				
			-	-	622	560	820	2.1	2.8			22	30 30 <sup>*2</sup>	0.75 0.75 <sup>*2</sup>	80				
			0.300	0.320	-	2,060	3,100	-	-		-	Blue : 14 Green : 23 Red : 22	Blue : 20 Green : 25 Red : 30	-	-				
 <p>L1.15 x W4.5 x H1.35 11.5mg</p>	CRGB1318FSE		-	-	470	-	260	3.0	3.7	120 / 120		14	30 15 <sup>*2</sup>	0.750 0.375 <sup>*2</sup>	60	-40~+85	-40~+100	2,500	
			-	-	529	-	1,750	3.1	3.8			20	30 25 <sup>*2</sup>	0.750 0.625 <sup>*2</sup>	60				
			-	-	622	-	750	2.2	2.9			24	30 30 <sup>*2</sup>	0.750 0.750 <sup>*2</sup>	60				
			0.300	0.320	-	-	2,600	-	-		-	Blue : 14 Green : 20 Red : 24	Blue : 15 Green : 25 Red : 30	-	-				

\*1 CIE1931に基づく/In accordance with CIE1931  
\*2 2色または3色点灯時/When two or three LEDs with different colors are illuminated



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