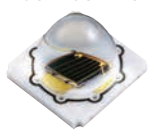
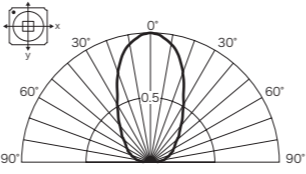

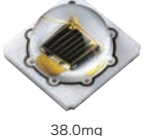
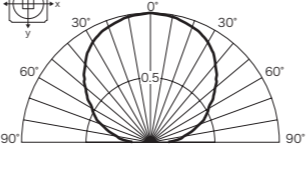
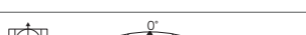
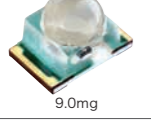
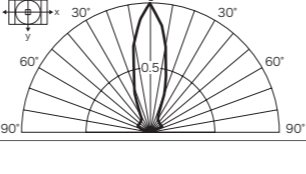

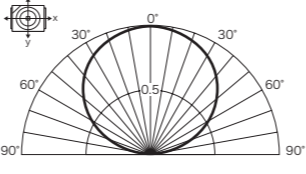


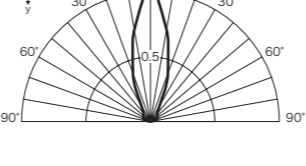



IR LEDs

Ta=25°C

パッケージ Package	品名 Part name	電気的光学的特性/Electro-optical characteristics										熱的特性/Thermal characteristics		絶対最大定格/Absolute maximum ratings								標準梱包 数量 Standard qty./Reel	WEB		
		ピーク発光波長 Peak wavelength λ_p Typ.	放射強度 Radiant intensity I_E		放射束 Total radiant flux Φ_e Typ.	遮断周波数 Cut-off frequency fc Typ.	応答速度 Response time tr/ta Typ.	順電圧 Forward voltage V_F		指向半値角 Half-intensity angle $2\theta_{1/2}$ (θ_x/θ_y)	指向特性 Spatial distribution	選別電流 Sorting current I_F	熱抵抗 [ジャンクション-はんだ付け位置] Thermal resistance [Junction - soldering point] $R_{th(j-s)}$		順電流 Forward current I_F	順電流低減率 Forward current reduction rate		パルス順電流 Pulse forward current I_{FRM}	パルス順電流低減率 Pulse forward current reduction rate ^{(*)1}		ジャンクション温度 Junction temperature T_J			動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg
			Min.	Typ.				Typ.	Typ.				Typ.	Max.		Typ.	Max.		ΔI _F	Derating start temp.					
単位 (Units)		nm	mW/sr		mW	MHz	ns	V		deg.	-	mA	°C/W		mA	mA/°C	°C	mA	mA/°C	°C	°C	°C	°C	pcs.	
 41.0mg	MGNI1105MS	855	390	530	1,100	-	15 / 15	1.80	2.40	60 / 60		1,000	5	7	1,000	-	-	5,000	-	-	125	-40~+125	-40~+125	500	
	MFNI1105MS	945	280	440	950	-	15 / 15	1.50	2.10	60 / 60		1,000	5	7	1,000	-	-	5,000	-	-	125	-40~+125	-40~+125	500	
 38.0mg	MGNI1106MS	855	210	280	1,100	-	15 / 15	1.80	2.40	120 / 120		1,000	5	7	1,000	-	-	5,000	-	-	125	-40~+125	-40~+125	500	
	MFNI1106MS	945	140	230	950	-	15 / 15	1.50	2.10	120 / 120		1,000	5	7	1,000	-	-	5,000	-	-	125	-40~+125	-40~+125	500	
 9.0mg	JGN1105H	850	25	50	30	-	13 / 13	1.45	1.65	30 / 30		50	-	-	120	2.40	60	1,200	24	60	-	-40~+100	-40~+100	2,000	
 33mg	JGN1104LS	850	5.0	9.2	35	-	13 / 13	1.50	1.75	120 / 120		50	110	-	100	2.86	85	1,000	28.6	85	120	-40~+100	-40~+120	2,000	
	JFN1104LS	950	5.0	8.5	31	-	13 / 13	1.35	1.65	120 / 120		50	110	-	100	2.86	85	1,000	2.86	85	120	-40~+100	-40~+120	2,000	
 7.81mg	TDN1105W-23	870	5.6	11.0	8.0	50 ^{(*)2}	-	1.40	1.65	30 / 30		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	2,000	
	TAN1105W	940	2.4	4.8	5.7	0.5 ^{(*)3}	1,000 / 1,000	1.22	1.37	30 / 30		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	2,000	

※1 駆動条件/Driving conditions : 0.1ms pulse 1/100 duty
 ※2 駆動条件/Driving conditions : I_F=20mA_{DC}+10mA_{P-P}, -3dB from 1MHz
 ※3 駆動条件/Driving conditions : I_F=20mA_{DC}+10mA_{P-P}, -3dB from 0.1MHz



SURFACE MOUNT LEDs

THROUGH-HOLE LEDs / LED NUMERIC DISPLAYS

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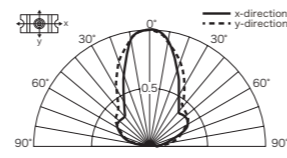
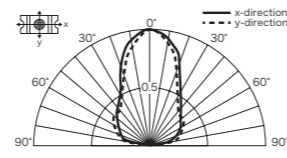

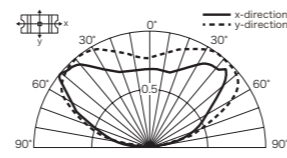

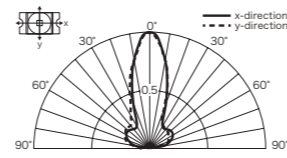

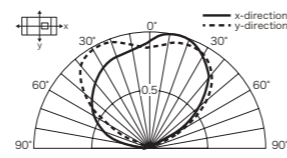
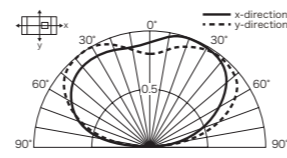

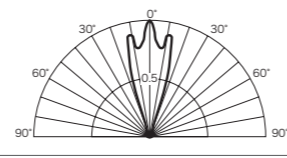
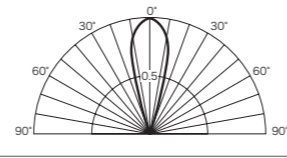

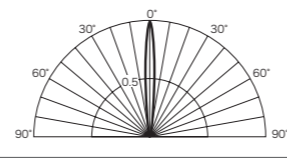

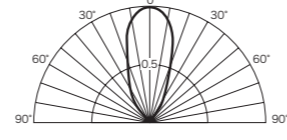
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INFORMATION

IR 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										熱的特性/Thermal characteristics		絶対最大定格/Absolute maximum ratings							標準梱包 数量 Standard qty./Reel	WEB		
		ピーク発光波長 Peak wavelength λ_p Typ.	放射強度 Radiant intensity I_E Min. Typ.		放射束 Total radiant flux Φ_e Typ.	遮断周波数 Cut-off frequency fc Typ.	応答速度 Response time tr/tf Typ.	順電圧 Forward voltage V_F Typ. Max.		指向半値角 Half-intensity angle $2\theta_{1/2}$ (θ_x/θ_y)	指向特性 Spatial distribution	選別電流 Sorting current I_F	熱抵抗 [ジャンクション-はんだ付け位置] Thermal resistance [Junction - soldering point] $R_{th(j-s)}$ Typ. Max.	順電流 Forward current I_F	順電流低減率 Forward current reduction rate ΔI_F Derating start temp.	パルス順電流 Pulse forward current I_{FRM}	パルス順電流低減率 Pulse forward current reduction rate ⁽¹⁾ ΔI_{FRM} Derating start temp.	ジャンクション温度 Junction temperature T_j	動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg			pcs.	
単位 (Units)		nm	mW/sr		mW	MHz	ns	V		deg.	-	mA	°C/W	mA	mA/°C	°C	mA	mA/°C	°C	°C	°C	°C	°C	pcs.
 7.8mg	HDN1102W	850	2.2	3.2	8.5	20 ^{#2}	-	1.45	1.80	60 / 60		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	2,500
	HAN1102W-1	940	0.7	1.0	5.7	0.5 ^{#3}	1,000/1,000	1.20	1.40	75 / 90		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	2,500
 7.8mg	TDN1101W	870	0.6	1.2	8.5	50 ^{#2}	-	1.40	1.70	135 / 145		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	2,500
 1.4mg	VTAN1116P	940	1.8	2.8	5.2	-	1,000/1,000	1.25	1.45	40 / 40		20	-	-	50	1.25	60	300	7.5	60	-	-40~+85	-40~+100	3,000
 1.4mg	TDN1111C	870	1.0	1.3	8.0	50 ^{#2}	-	1.40	1.70	125 / 125		20	-	-	50	0.67	25	300	4	25	-	-30~+85	-40~+100	4,000
	VTAN1111C	940	0.64	0.7	4.3	-	1,000/1,000	1.22	1.37	145 / 145		20	-	-	50	1.25	60	300	7.5	60	-	-40~+85	-40~+100	4,000
 160mg	TDN3803X-2B0	870	24	35	25	55 ^{#2}	7 / 7	1.50	1.70	36 / 36		50	-	-	100	1.33	25	1,000	13.3	25	-	-30~+85	-30~+100	200/Pack
	AN3803X-4B0	940	12	24	12	-	1,000/1,000	1.30	1.45	26 / 26		50	-	-	100	1.33	25	1,000	13.3	25	-	-30~+85	-30~+100	200/Pack
 350mg	JGN5306X	850	67.2	200	40	22 ^{#2}	13 / 13	1.50	1.70	8 / 8		50	-	-	100	1.33	25	1,000	13.3	25	-	-30~+85	-30~+100	200/Pack
 350mg	AN5307B	940	8.4	19	17	-	1,000/1,000	1.30	1.45	38 / 38		50	-	-	100	1.33	25	1,000	13.3	25	-	-30~+85	-30~+100	200/Pack

※1 駆動条件/Driving conditions : 0.1ms pulse 1/100 duty
 ※2 駆動条件/Driving conditions : I_F=20mA_{DC}+10mA_{p-p}, -3dB from 1MHz
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