■ SUPER BRIGHT LED

3368S Series

ø3mm Round Shape Type

■ Absolute Maximum Ratings

Ta = 25°C

		Red			Orange	Yellow		Green	Pure Green	Unit
		EBR/BR	MPR	EMVR / VR	EMAA /MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pb	100	75	75	70	85	85	70	70	mW
Forward Current	IF	50	30	30	25	30	30	25	25	mA
Peak Forward Current	IFM	300	75	75	60	75	75	60	60	mA
Reverse Voltage	VR	4	4	4	4	4	4	4	4	V
Operating Temp.	Topr	-30~+85	-30~+85	-30~+85	-30~+85	-30~+85	-30~+85	-30~+85	-30~+85	°C
Storage Temp.	Tstg	-30~+100	-30~+100	-30~+100	-30~+100	-30~+100	-30~+100	-30~+100	-30~+100	°C
Derating *	ΔIF	0.67	0.40	0.40	0.33	0.40	0.40	0.33	0.33	mA/°C

* The current derating for operation applies when temperature is above 25°C.
• IFM Condition : tw ≦ 1msec, Duty ≦ 1/20

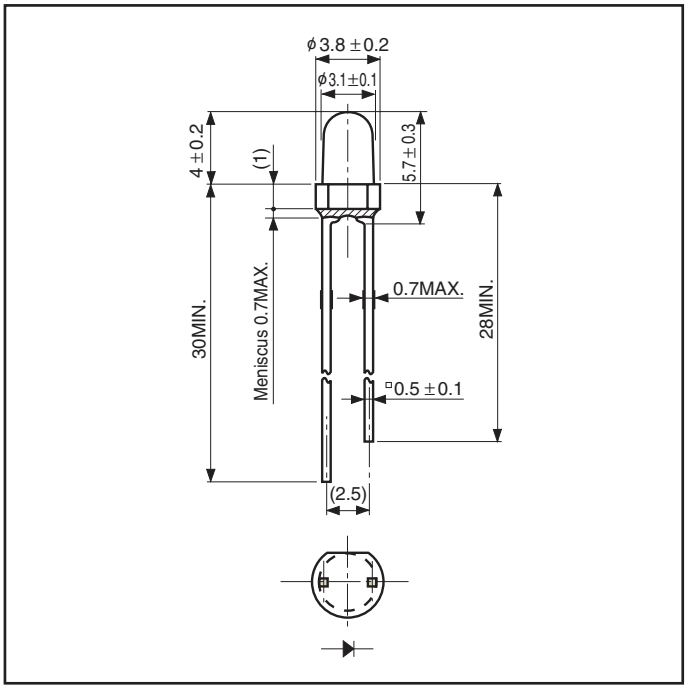
■ Electro-Optical Characteristics

Ta = 25°C

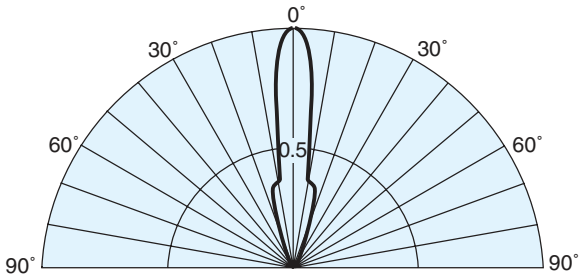
Part No.	Chip		Lens		Luminous Intensity Iv			Wavelength λp	Δλ		Forward Voltage VF			Reverse Current IR		Capacitance
	Material	Emitted Color			MIN	TYP	IF	TYP	TYP	IF	TYP	MAX	IF	MAX	VR	Co
EBR/BR3368S	GaAlAs	Red	Pastel Red	Clear	80/40	120/80	20	660	30	20	1.7	2.0	20	100	4	50
MPR3368S	GaP				3	6	10	700	100	10	2.1	2.8	10	20	4	40
EMVR/MVR3368S	GaAsP				40/20	60/40	20	630	30	20	2.0	2.8	20	20	4	10
EMAA/MAA3368S	GaAsP	Orange	Pastel Orange		40/20	60/40	20	605	30	20	2.2	2.8	20	20	4	10
EMAY/MAY3368S	GaAsP	Yellow	Pastel Yellow		40/20	60/40	20	580	30	20	2.2	2.8	20	20	4	10
EMPY/MPY3368S	GaP				60/30	90/60	20	570	30	20	2.1	2.8	20	20	4	20
EMPG/MPG3368S	GaP	Green	Pastel Green		40/20	60/40	20	560	30	20	2.1	2.8	20	20	4	25
EMBG/MBG3368S	GaP	Pure Green			20/10	30/20	20	555	30	20	2.1	2.8	20	20	4	25
Units					mcd	mcd	mA	nm	nm	mA	V	V	mA	μA	V	pF

■ Package Dimensions

Unit : mm



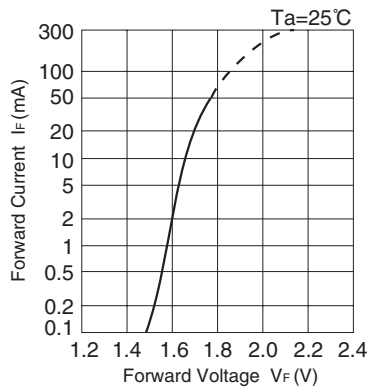
■ Spatial Distribution



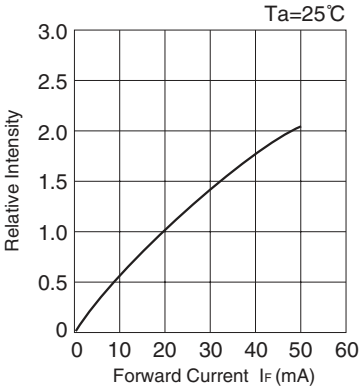
■ SUPER BRIGHT LED

EBR / BR 3368S

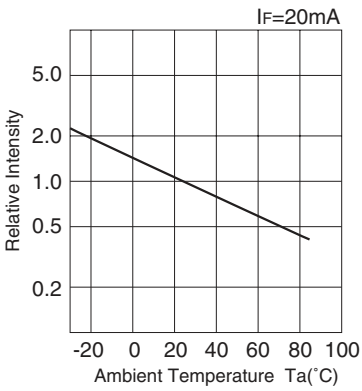
■ Forward Voltage vs. Forward Current



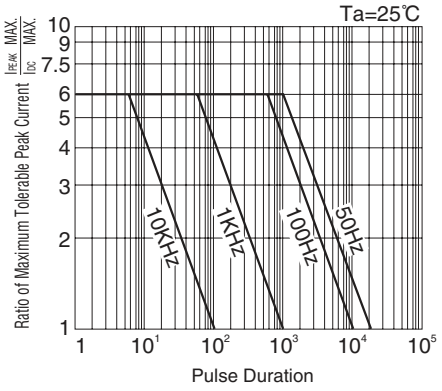
■ Forward Current vs. Relative Intensity



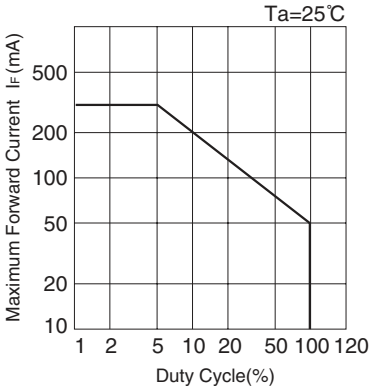
■ Ambient Temperature vs. Relative Intensity



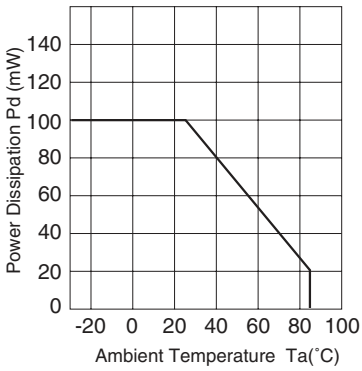
■ Pulse Duration vs.Maximum Tolerable Peak Current



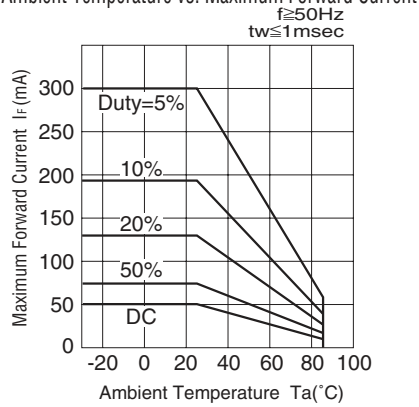
■ Duty Cycle vs. Maximum Forward Current



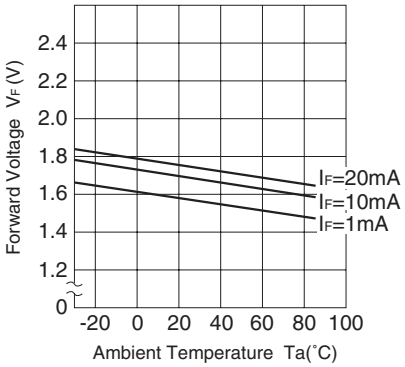
■ Power Dissipation vs. Ambient Temperature



■ Ambient Temperature vs. Maximum Forward Current



■ Forward Voltage vs. Ambient Temperature



■ Spectral Distribution