



SINGLE COLOR LED

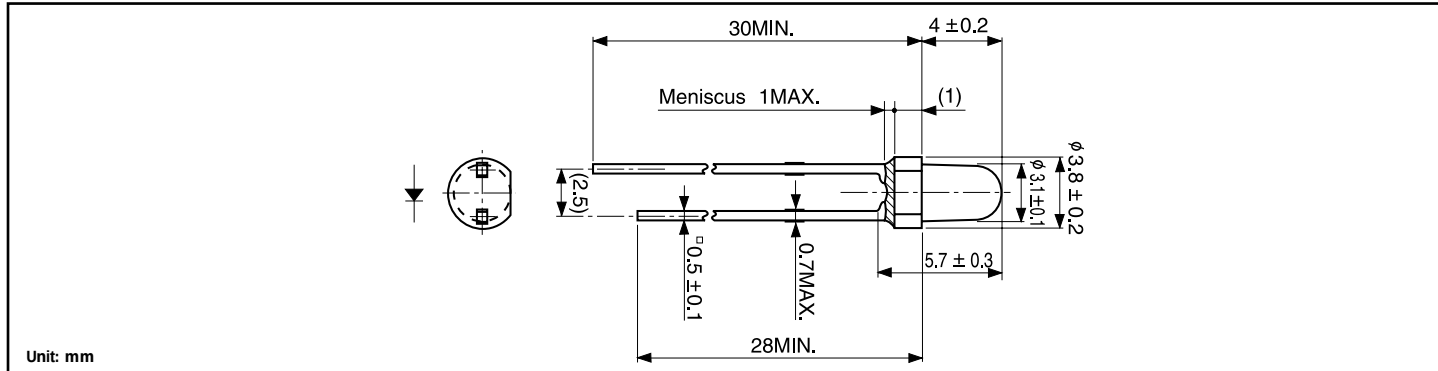
φ 3mm Round Shape



KR3308S

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red	Units
		KR	
Power Dissipation	Pd	125	mW
Forward Current	I _F	50	mA
Peak Forward Current	I _{FM}	300	mA
Reverse Voltage	V _R	4	V
Operating Temperature	T _{opr}	-30 to +85	°C
Storage Temperature	T _{stg}	-30 to +100	°C
Derating (DC)*	ΔI _F	0.67	mA/°C

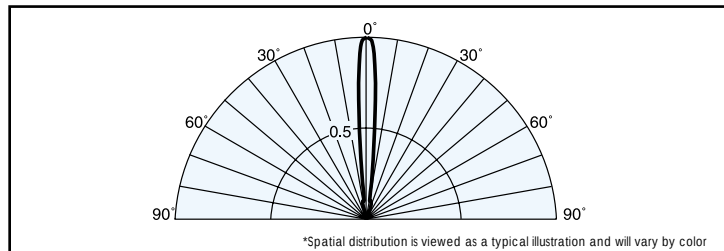
* Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

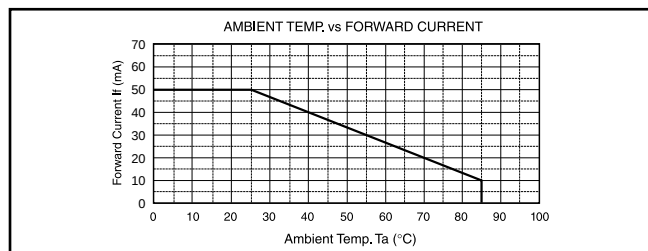
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2θ 1/2)
				MIN.	TYR.	I _F	Peak λ _p TYR.	Dominant λ _d TYR.	Spectral Line Δλ TYR.	I _F	TYR.	MAX.	I _F	MAX.	V _R	
KR3308S	GaAlAs	Red	Water Clear	400	800	20	660	647	25	20	1.8	2.5	20	100	4	10°
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart





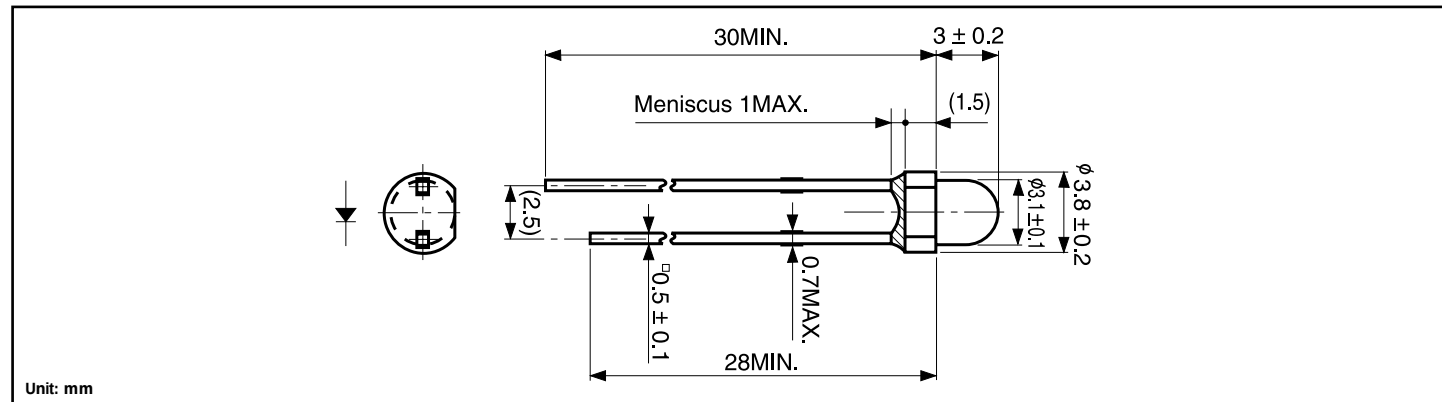
SINGLE COLOR LED

φ 3mm Round Shape

KR3301X

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red	Units
		KR	
Power Dissipation	Pd	125	mW
Forward Current	I _F	50	mA
Peak Forward Current	I _{FM}	300	mA
Reverse Voltage	V _R	4	V
Operating Temperature	T _{opr}	-30 to +85	°C
Storage Temperature	T _{stg}	-30 to +100	°C
Derating (DC)*	ΔI _F	0.67	mA/°C

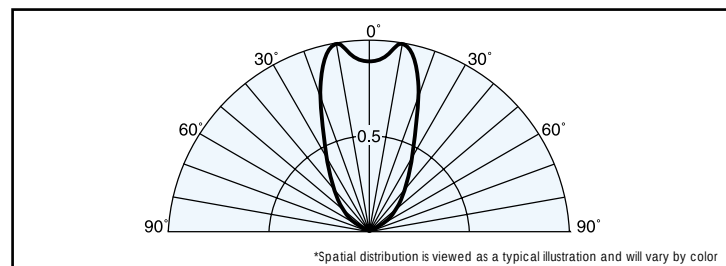
*Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

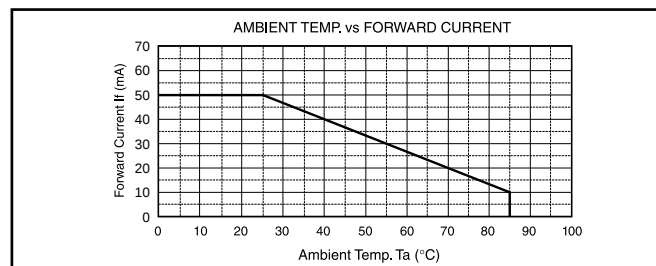
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2θ 1/2)
				MIN.	TYP.	I _F	Peak λ _p TYP.	Dominant λ _d TYP.	Spectral Line Half Width Δλ TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
KR3301X	GaAlAs	Red	Water Clear	70	140	20	660	647	25	20	1.8	2.5	20	100	4	50°
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

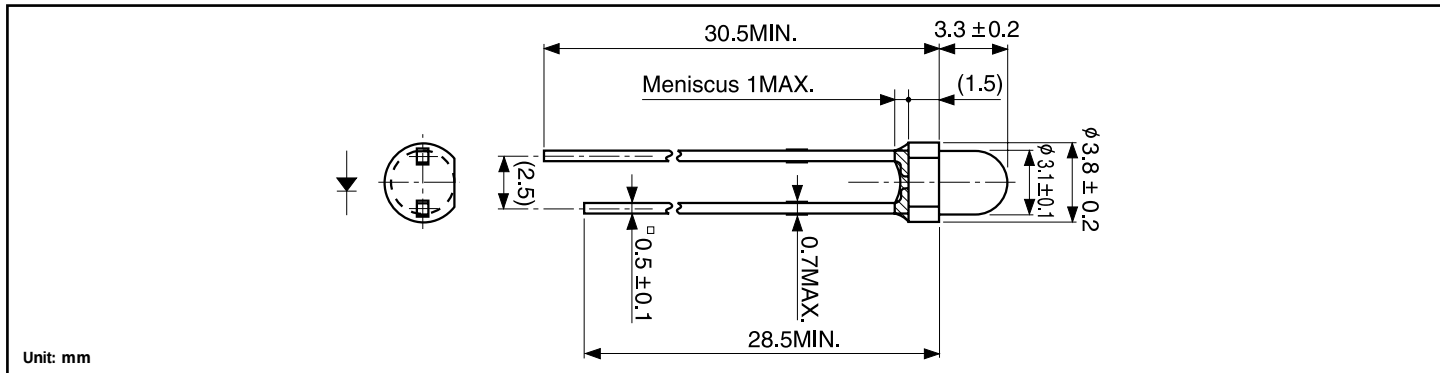
φ 3mm Round Shape



KR3302X

HIGH BRIGHTNESS COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red	Units
		KR	
Power Dissipation	Pd	125	mW
Forward Current	If	50	mA
Peak Forward Current	IfM	300	mA
Reverse Voltage	Vr	4	V
Operating Temperature	ToPr	-30 to +85	°C
Storage Temperature	Tstg	-30 to +100	°C
Derating (DC)*	ΔIf	0.67	mA/°C

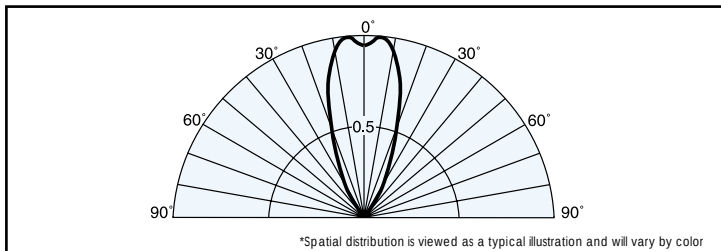
* Ta=25°C, IfM applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

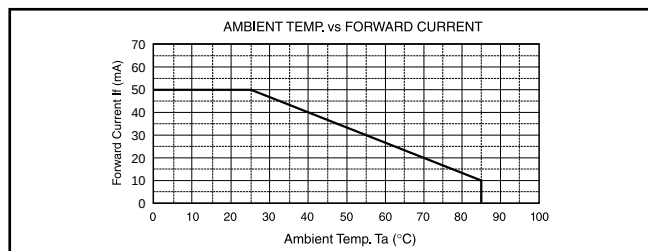
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity Iv			Wavelength				Forward Voltage Vf			Reverse Current Ir		Viewing Angle (2θ 1/2)
				MIN.	TYR.	If	Peak λp TYR	Dominant λd TYR	Spectral Line Half Width Δλ TYR	If	TYR.	MAX.	If	MAX.	Vr	
KR3302X	GaAlAs	Red	Water Clear	150	300	20	660	647	25	20	1.8	2.5	20	100	4	40°
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

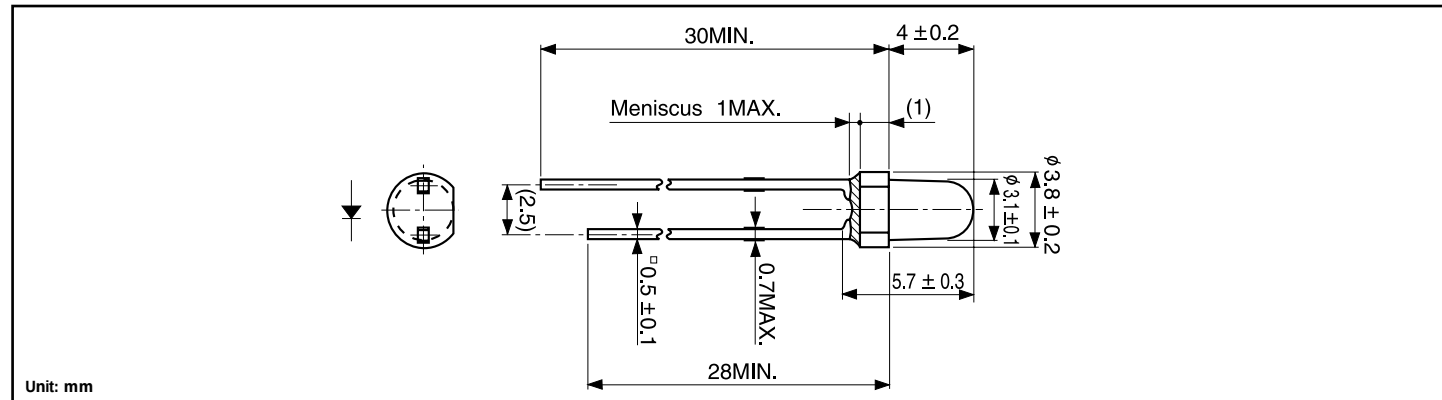
φ3mm Round Shape



3338S Series

STANDARD COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pd	100	75	75	70	85	85	70	70	mW
Forward Current	I _F	50	30	30	25	30	30	25	25	mA
Peak Forward Current	I _{FM}	300	75	75	60	75	75	60	60	mA
Reverse Voltage	V _R	4	4	4	4	4	4	4	4	V
Operating Temperature	T _{opr}	-30 to +85								°C
Storage Temperature	T _{stg}	-30 to +100								°C
Derating (DC)*	ΔI _F	0.67	0.40		0.33	0.40		0.33		mA/°C

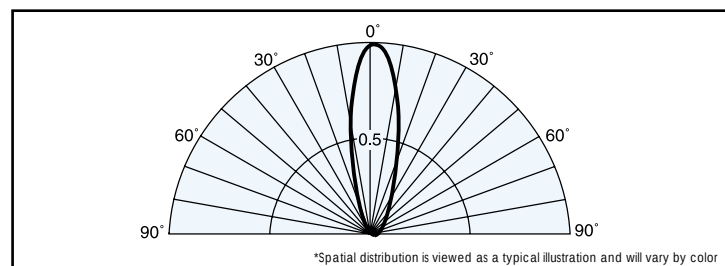
*Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

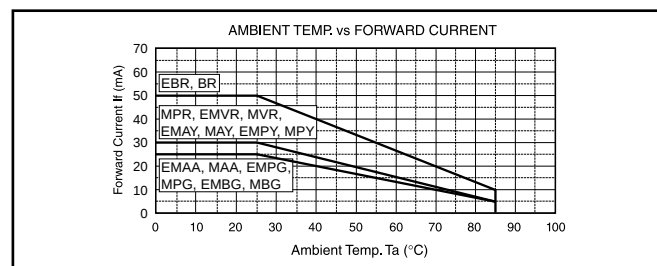
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength Spectral Line Dominant Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)
				MIN.	TYP.	I _F	Peak λ _p TYP.	Dominant λ _d TYP.	Δλ TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
EBR/BR3338S	GaAlAs	Red	Diffused Red	30/15	45/30	20	660	647	30	20	1.7	2.0	20	100	4	25°
MPR3338S	GaP			1.5	3	10	700	635	100	10	2.1	2.8	10	20	4	
EMVR/MVR3338S	GaAsP			20/10	30/20	20	630	624	30	20	2.0	2.8	20	20	4	
EMAA/MAA3338S	GaAsP	Orange	Diffused Orange	20/10	30/20	20	605	606	30	20	2.2	2.8	20	20	4	
EMAY/MAY3338S	GaAsP	Yellow	Diffused Yellow	20/10	30/20	20	580	590	30	20	2.2	2.8	20	20	4	
EMPY/MPY3338S	GaP	Yellow Green		30/15	45/30	20	570	572	30	20	2.1	2.8	20	20	4	
EMPG/MPG3338S	GaP	Green	Diffused Green	20/10	30/20	20	560	567	30	20	2.1	2.8	20	20	4	
EMBG/MBG3338S	GaP	Pure Green		8/4	12/8	20	555	558	30	20	2.1	2.8	20	20	4	
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

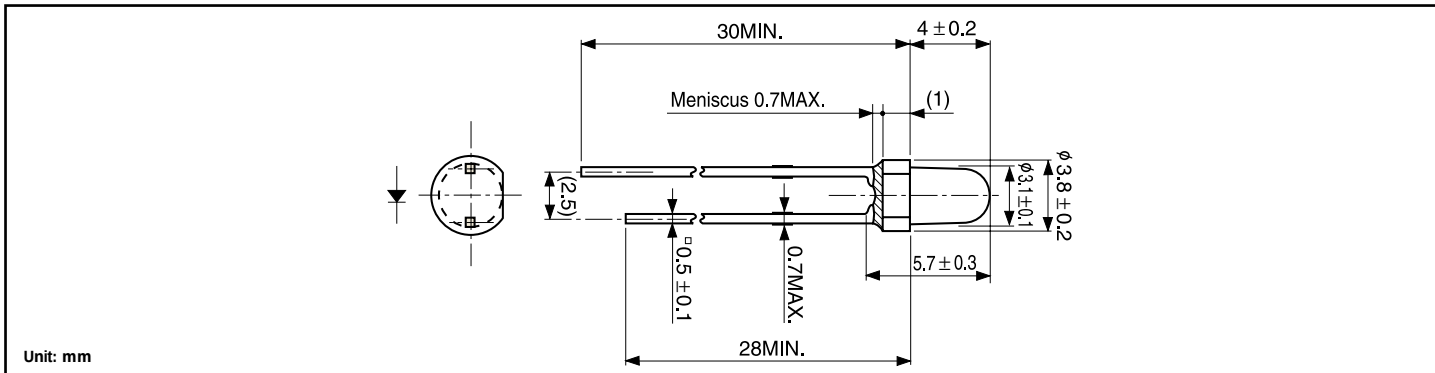
Φ 3mm Round Shape



3368S Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pd	100	75	75	70	85	85	70	70	mW
Forward Current	I _F	50	30	30	25	30	30	25	25	mA
Peak Forward Current	I _{FM}	300	75	75	60	75	75	60	60	mA
Reverse Voltage	V _R	4	4	4	4	4	4	4	4	V
Operating Temperature	T _{opr}	-30 to +85								°C
Storage Temperature	T _{stg}	-30 to +100								°C
Derating (DC)*	ΔI _F	0.67	0.40		0.33	0.40		0.33		mA/°C

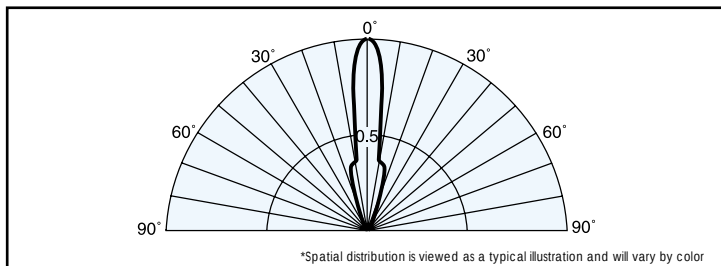
* Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

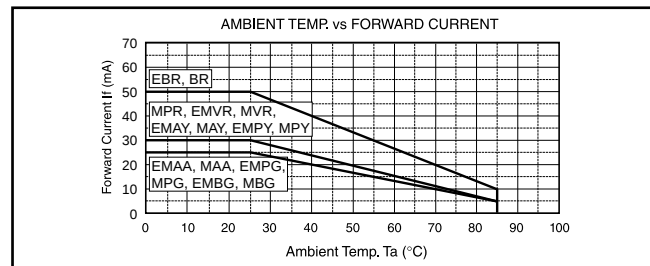
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)	
				MIN.	TYP.	I _F	Peak λ _P TYP.	Dominant λ _D TYP.	Spectral Line Δλ TYP.	Half Width I _F	TYP.	MAX.	I _F	MAX.	V _R		
EBR/BR3368S	GaAlAs	Red	Clear Pastel Red	80/40	140/80	20	660	647	30	20	1.7	2.0	20	100	4	15°	
MPR3368S	GaP			3	6	10	700	635	100	10	2.1	2.8	10	20	4		
EMVR/MVR3368S	GaAsP			40/20	60/40	20	630	624	30	20	2.0	2.8	20	20	4		
EMAA/MAA3368S	GaAsP	Orange	Clear Pastel Orange	40/20	60/40	20	605	606	30	20	2.2	2.8	20	20	4		20°
EMAY/MAY3368S	GaAsP	Yellow	Clear Pastel Yellow	40/20	60/40	20	580	590	30	20	2.2	2.8	20	20	4		
EMPY/MPY3368S	GaP	Yellow Green		60/30	90/60	20	570	572	30	20	2.1	2.8	20	20	4		
EMPG/MPG3368S	GaP	Green	Clear Pastel Green	40/20	60/40	20	560	567	30	20	2.1	2.8	20	20	4		
EMBG/MBG3368S	GaP	Pure Green		20/10	30/20	20	555	558	30	20	2.1	2.8	20	20	4		
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

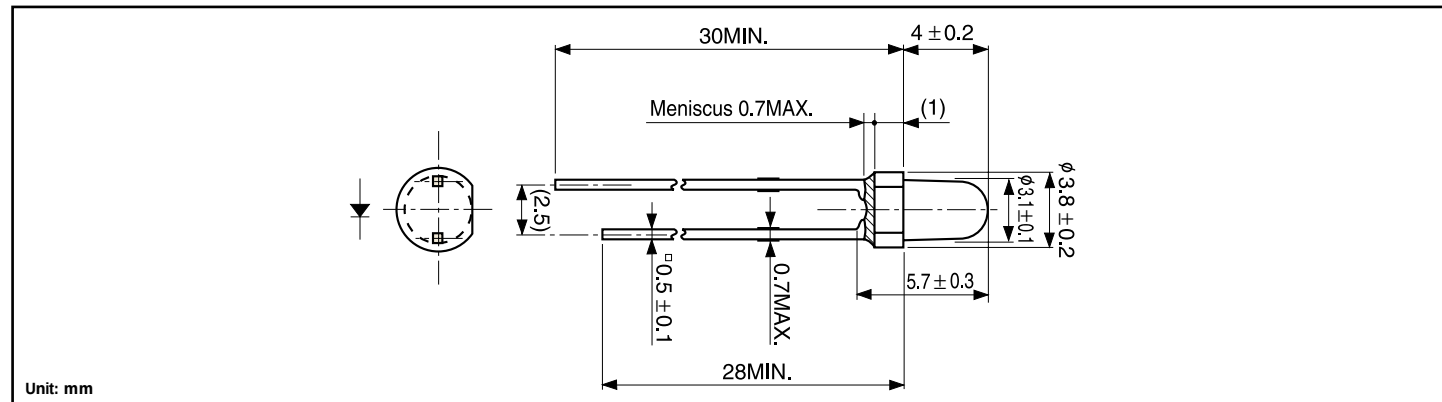
φ 3mm Round Shape



3378S Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pd	100	75	75	70	85	85	70	70	mW
Forward Current	I _F	50	30	30	25	30	30	25	25	mA
Peak Forward Current	I _{FM}	300	75	75	60	75	75	60	60	mA
Reverse Voltage	V _R	4	4	4	4	4	4	4	4	V
Operating Temperature	T _{opr}	-30 to +85								°C
Storage Temperature	T _{stg}	-30 to +100								°C
Derating (DC)*	ΔI _F	0.67	0.40		0.33	0.40		0.33		mA/°C

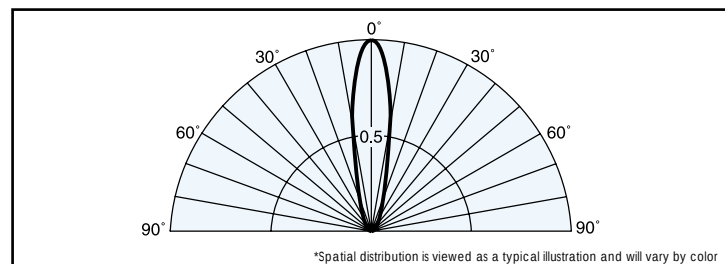
*Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

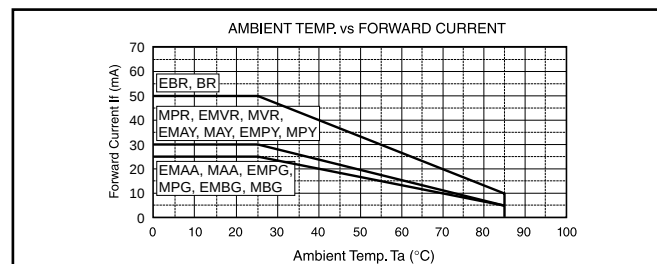
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _v			Wavelength				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)	
				MIN.	TYP.	I _F	Peak λ _p TYP.	Dominant λ _d TYP.	Spectral Line Half Width Δλ		TYP.	MAX.	I _F	MAX.	V _R		
									TYP.	I _F							
EBR/BR3378S	GaAlAs	Red	Diffused Pastel Red	30/15	45/30	20	660	647	30	20	1.7	2.0	20	100	4	20°	
MPR3378S	GaP			1.5	3	10	700	635	100	10	2.1	2.8	10	20	4		
EMVR/MVR3378S	GaAsP			20/10	30/20	20	630	624	30	20	2.0	2.8	20	20	4		
EMAA/MAA3378S	GaAsP	Orange	Diffused Pastel Orange	20/10	30/20	20	605	606	30	20	2.2	2.8	20	20	4		25°
EMAY/MAY3378S	GaAsP	Yellow	Diffused Pastel Yellow	20/10	30/20	20	580	590	30	20	2.2	2.8	20	20	4		
EMPY/MPY3378S	GaP	Yellow Green		30/15	45/30	20	570	572	30	20	2.1	2.8	20	20	4		
EMPG/MPG3378S	GaP	Green	Diffused Pastel Green	20/10	30/20	20	560	567	30	20	2.1	2.8	20	20	4		
EMBG/MBG3378S	GaP	Pure Green		10/5	15/10	20	555	558	30	20	2.1	2.8	20	20	4		
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.		

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

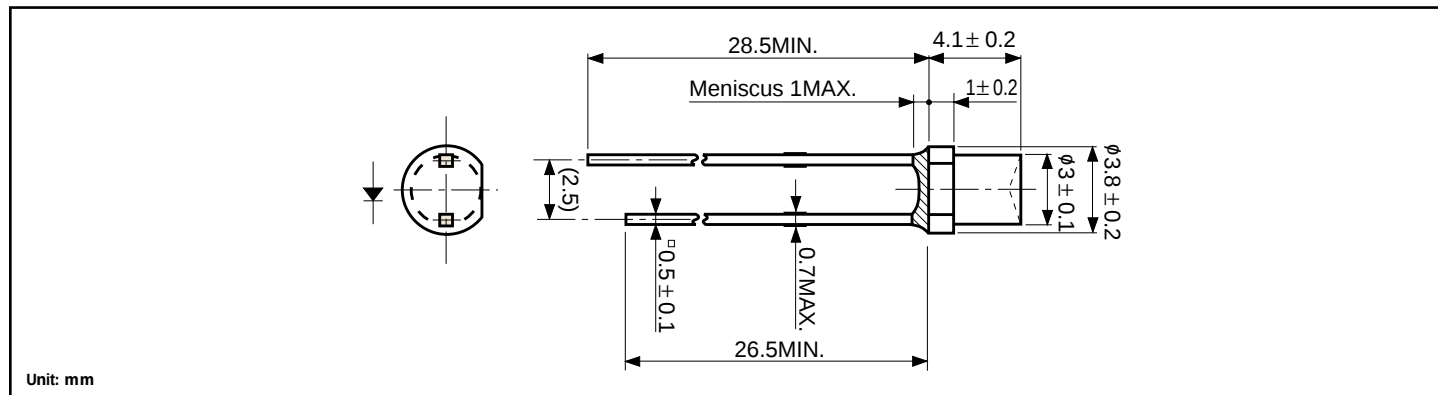
φ 3mm Round Shape



3365S Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		BR	PR	VR	AA	AY	PY	PG	BG	
Power Dissipation	Pd	100	75	75	125	125	125	125	125	mW
Forward Current	IF	50	30	30	50	50	50	50	50	mA
Peak Forward Current	IFM	300	100	100	100	100	100	100	100	mA
Reverse Voltage	VR	4	4	4	4	4	4	4	4	V
Operating Temperature	Topr	-30 to +85								°C
Storage Temperature	Tstg	-30 to +100								°C
Derating (DC)*	ΔIF	0.67	0.33			0.67				mA/°C

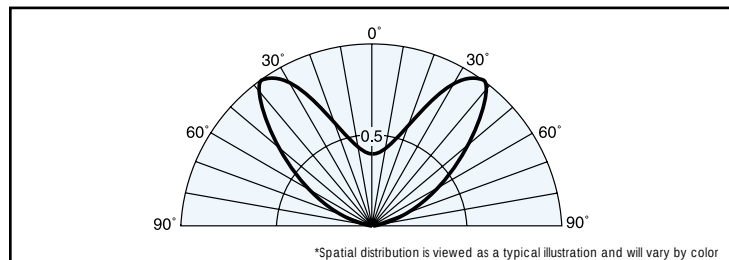
* Ta=25°C, IFM applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

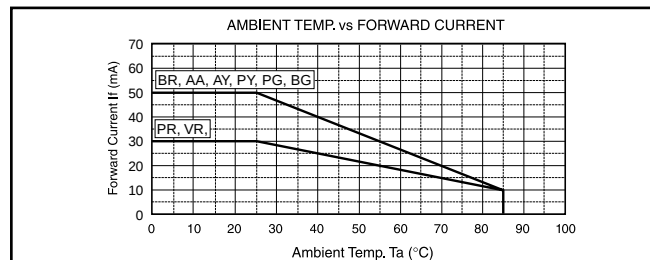
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _v			Wavelength Spectral Line				Forward Voltage V _f			Reverse Current I _R		Viewing Angle (2 θ 1/2)
				MIN.	TYP.	IF	Peak λ _p TYP.	Dominant λ _d TYP.	Half Δλ TYP.	IF	TYP	MAX.	IF	MAX.	VR	
BR3365S	GaAlAs	Red	Clear Pastel Red	2.5	5	20	660	647	30	20	1.7	2.0	20	100	4	110°
PR3365S	GaP			0.4	0.8	10	700	635	100	10	2.1	2.5	10	100	4	
VR3365S	GaAsP			2	4	20	630	624	30	20	2.0	2.5	20	100	4	
AA3365S	GaAsP	Orange	Clear Pastel Orange	2	4	20	605	606	30	20	2.2	2.5	20	100	4	
AY3365S	GaAsP	Yellow	Clear Pastel Yellow	2	4	20	580	590	30	20	2.2	2.5	20	100	4	
PY3365S	GaP	Yellow Green		3	6	20	570	572	30	20	2.1	2.5	20	100	4	
PG3365S	GaP	Green	Clear Pastel Green	2	4	20	560	567	30	20	2.1	2.5	20	100	4	
BG3365S	GaP	Pure Green		0.8	1.6	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

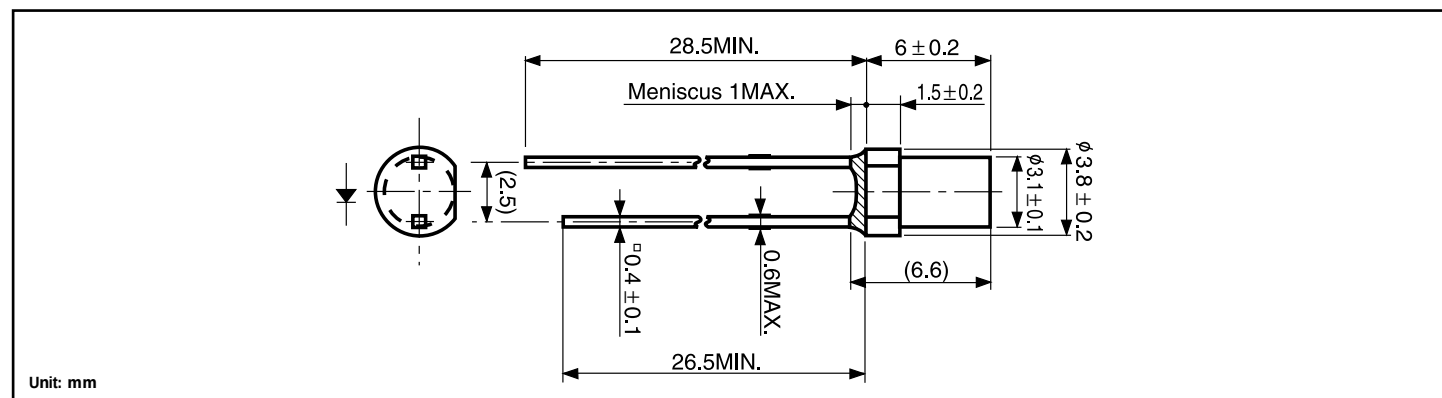
φ 3mm Round Shape



3889S Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		BR	PR	VR	AA	AY	PY	PG	BG	
Power Dissipation	Pd	100	75	75	125	125	125	125	125	mW
Forward Current	I _F	50	30	30	50	50	50	50	50	mA
Peak Forward Current	I _{FM}	300	100	100	100	100	100	100	100	mA
Reverse Voltage	V _R	4	4	4	4	4	4	4	4	V
Operating Temperature	T _{opr}	-30 to +85								°C
Storage Temperature	T _{stg}	-30 to +100								°C
Derating (DC)*	ΔI _F	0.67	0.33			0.67				mA/°C

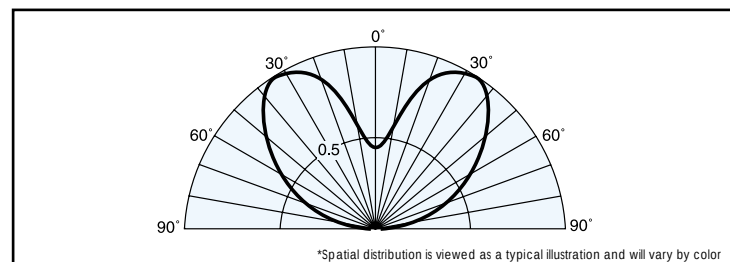
* Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

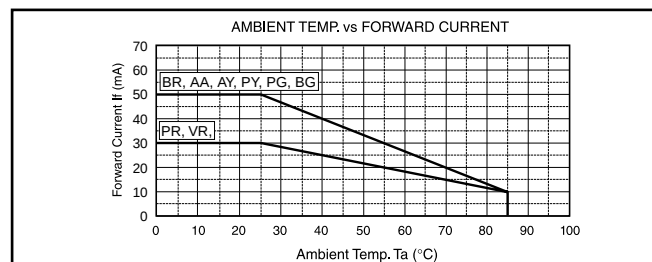
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength Spectral Line Dominant Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)
				MIN.	TYP.	I _F	Peak λ _p TYP.	Dominant λ _d TYP.	Δλ TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
BR3889S	GaAlAs	Red	Diffused Pastel Red	4	8	20	660	647	30	20	1.7	2.0	20	100	4	130°
PR3889S	GaP			0.6	0.9	10	700	635	100	10	2.1	2.5	10	100	4	
VR3889S	GaAsP			3	6	20	630	624	30	20	2.0	2.5	20	100	4	
AA3889S	GaAsP	Orange	Diffused Pastel Orange	2.5	5	20	605	606	30	20	2.2	2.5	20	100	4	
AY3889S	GaAsP	Yellow	Diffused Pastel Yellow	2	4	20	580	590	30	20	2.2	2.5	20	100	4	
PY3889S	GaP	Yellow Green		2.5	5	20	570	572	30	20	2.1	2.5	20	100	4	
PG3889S	GaP	Green	Diffused Pastel Green	2	4	20	560	567	30	20	2.1	2.5	20	100	4	
BG3889S	GaP	Pure Green		0.8	1.6	20	555	558	30	20	2.1	2.5	20	100	4	
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

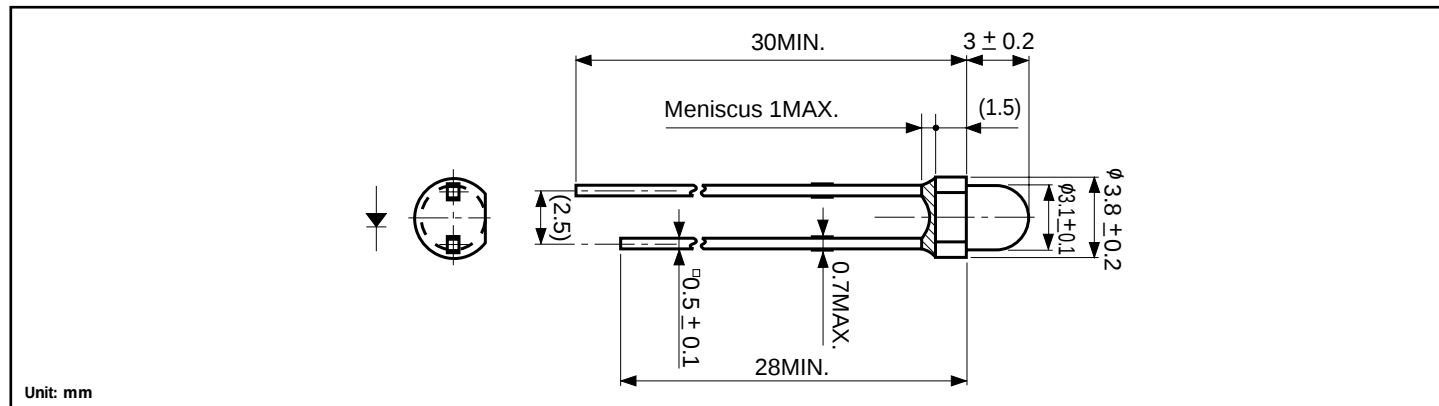
φ 3mm Round Shape



3361X Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pd	100	75	75	70	85	85	70	70	mW
Forward Current	I _F	50	30	30	25	30	30	25	25	mA
Peak Forward Current	I _{FM}	300	75	75	60	75	75	60	60	mA
Reverse Voltage	V _R	4	4	4	4	4	4	4	4	V
Operating Temperature	Topr	-30 to +85								°C
Storage Temperature	Tstg	-30 to +100								°C
Derating (DC)*	ΔI _F	0.67	0.40		0.33	0.40		0.33		mA/°C

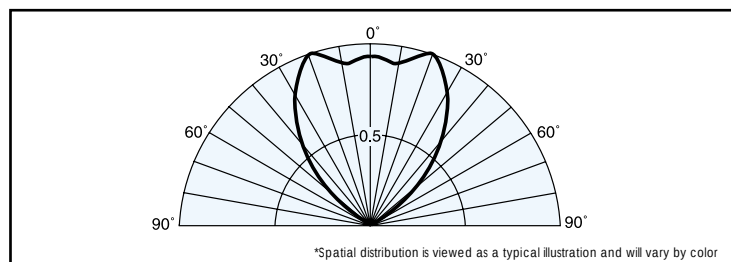
* Ta=25°C, I_{FM} applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

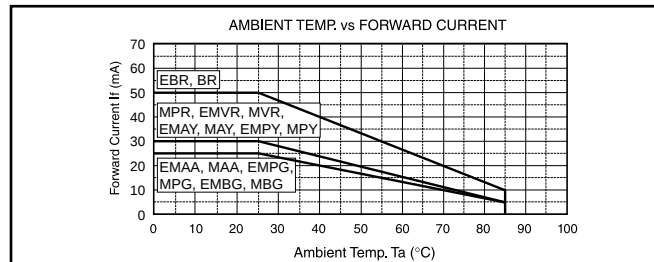
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength Spectral Line				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)
				MIN.	TYP.	I _F	Peak λ _p TYP.	Dominant λ _d TYP.	Half Width Δλ TYP.	I _F	TYP.	MAX.	I _F	MAX.	V _R	
EBR/BR3361X	GaAlAs	Red	Clear Pastel Red	12/6	18/12	20	660	647	30	20	1.7	2.0	20	100	4	100°
MPR3361X	GaP			0.8	1.6	10	700	635	100	10	2.1	2.8	10	20	4	
EMVR/MVR3361X	GaAsP			8/4	12/8	20	630	624	30	20	2.0	2.8	20	20	4	
EMAA/MAA3361X	GaAsP	Orange	Clear Pastel Orange	12/6	18/12	20	605	606	30	20	2.2	2.8	20	20	4	
EMAY/MAY3361X	GaAsP	Yellow	Clear Pastel Yellow	10/5	15/10	20	580	590	30	20	2.2	2.8	20	20	4	
EMPY/MPY3361X	GaP	Yellow Green		20/10	30/20	20	570	572	30	20	2.1	2.8	20	20	4	
EMPG/MPG3361X	GaP	Green	Clear Pastel Green	12/6	18/12	20	560	567	30	20	2.1	2.8	20	20	4	
EMBG/MBG3361X	GaP	Pure Green		6/3	9/6	20	555	558	30	20	2.1	2.8	20	20	4	
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.	

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

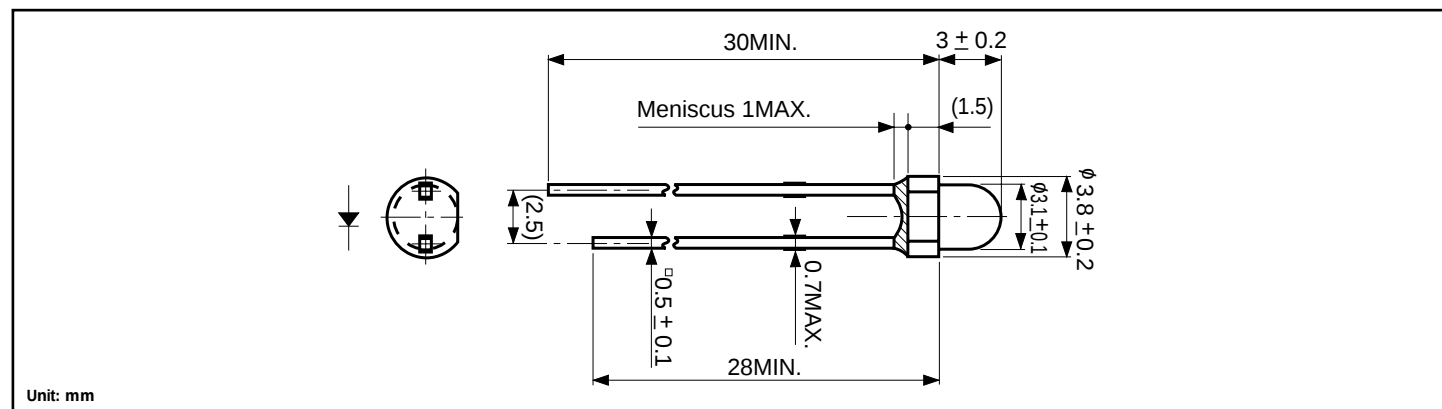
φ 3mm Round Shape



3371X Series

S T A N D A R D C O L O R

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		EBR/BR	MPR	EMVR/MVR	EMAA/MAA	EMAY/MAY	EMPY/MPY	EMPG/MPG	EMBG/MBG	
Power Dissipation	Pd	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 Temperature	Topr	-30 to +85								°C
Storage Temperature	Tstg	-30 to +100								°C
Derating (DC)*	ΔIF	0.67	0.40		0.33	0.40		0.33		mA/°C

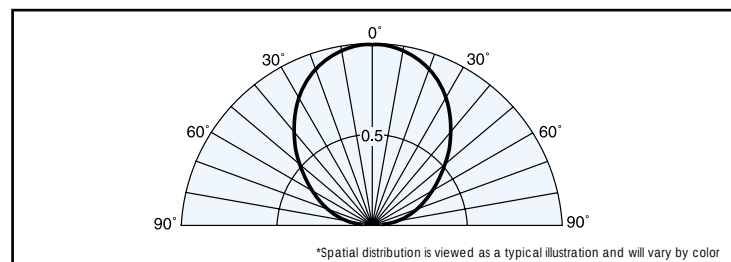
* Ta=25°C, IFM applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

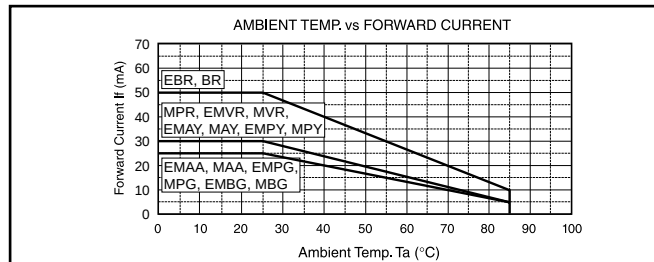
*The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color	Luminous Intensity I _V			Wavelength Spectral Line				Forward Voltage V _F			Reverse Current I _R		Viewing Angle (2 θ 1/2)	
				MIN.	TYP.	IF	Peak λ _P TYP.	Dominant λ _D TYP.	Δλ TYP.	IF	TYP.	MAX.	IF	MAX.	V _R		
EBR/BR3371X	GaAlAs	Red	Diffused Pastel Red	10/5	15/10	20	660	647	30	20	1.7	2.0	20	100	4	110°	
MPR3371X	GaP			0.5	1	10	700	635	100	10	2.1	2.8	10	20	4		
EMVR/MVR3371X	GaAsP			6/3	9/6	20	630	624	30	20	2.0	2.8	20	20	4		
EMAA/MAA3371X	GaAsP	Orange	Diffused Pastel Orange	10/5	15/10	20	605	606	30	20	2.2	2.8	20	20	4		100°
EMAY/MAY3371X	GaAsP	Yellow	Diffused Pastel Yellow	8/4	12/8	20	580	590	30	20	2.2	2.8	20	20	4		
EMPY/MPY3371X	GaP	Yellow Green	Diffused Pastel Yellow	16/8	24/16	20	570	572	30	20	2.1	2.8	20	20	4		
EMPG/MPG3371X	GaP	Green	Diffused Pastel Green	10/5	15/10	20	560	567	30	20	2.1	2.8	20	20	4		
EMBG/MBG3371X	GaP	Pure Green		4/2	6/4	20	555	558	30	20	2.1	2.8	20	20	4		
Units				mcd		mA	nm			mA	V	mA	μA	V	Deg.		

Spatial Distribution (x)



Operation Current Derating Chart





SINGLE COLOR LED

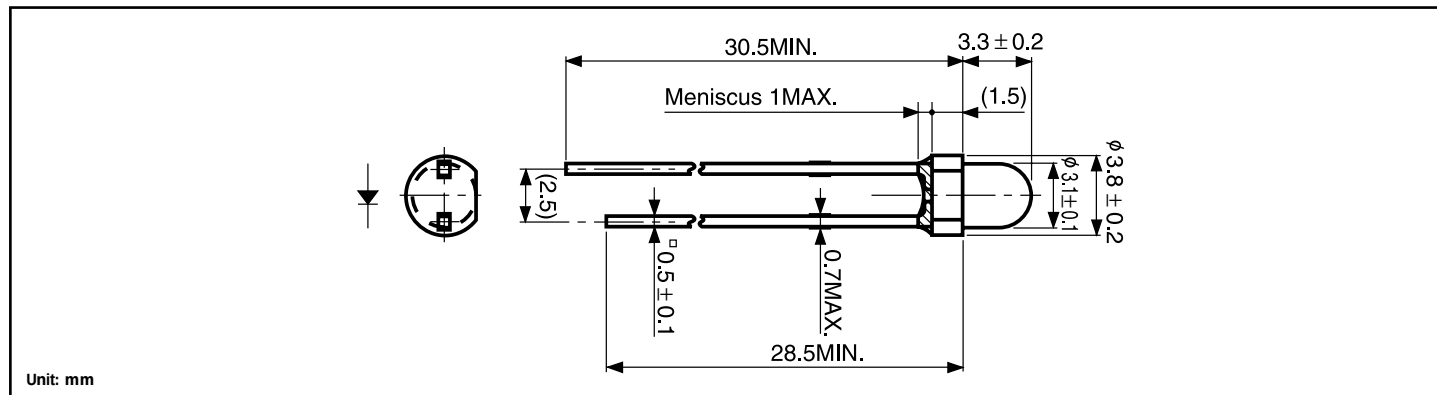
φ 3mm Round Shape



3362X / 3372X Series

STANDARD COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Red			Orange	Yellow	Yellow Green	Green	Pure Green	Units
		BR	MPR	MVR	MAA	MAY	MPY	MPG	MBG	
Power Dissipation	Pd	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 Temperature	Topr	-30 to +85								°C
Storage Temperature	Tstg	-30 to +100								°C
Derating (DC)*	ΔIF	0.67	0.40		0.33	0.40		0.33		mA/°C

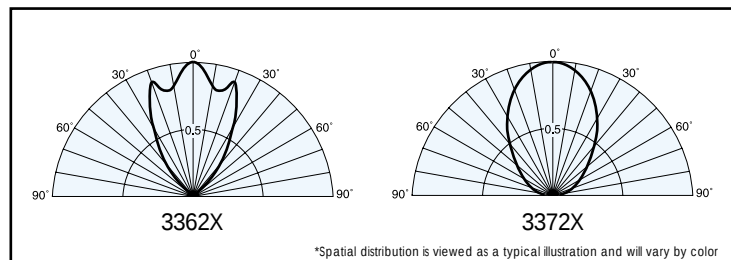
* Ta=25°C, IFM applies for the pulse width ≤ 1msec. and duty cycle ≤ 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*3362X lens is clear and 3372X lens is diffused
**The viewing angle is an average and will vary by color (Ta=25°C)

Part No.	Material	Emitted Color	Lens Color*	Luminous Intensity I _V			Wavelength Spectral Line Peak Dominant Half Width				Forward Voltage V _F			Reverse Current I _R		Viewing Angle** (2 θ 1/2)
				MIN.	TYP.	IF	λ _p TYP.	λ _d TYP.	Δλ TYP.	IF	TYP.	MAX.	IF	MAX.	V _R	
BR3362/3372X	GaAlAs	Red	Pastel Red	15/10	30/20	20	660	647	30	20	1.7	2.0	20	100	4	60/80°
MPR3362/3372X	GaP			1.5/1	3/2	10	700	635	100	10	2.1	2.8	10	20	4	
MVR3362/3372X	GaAsP			10/6	20/12	20	630	624	30	20	2.0	2.8	20	20	4	
MAA3362/3372X	GaAsP	Orange	Pastel Orange	12/8	24/16	20	605	606	30	20	2.2	2.8	20	20	4	
MAY3362/3372X	GaAsP	Yellow	Pastel Yellow	10/6	20/12	20	580	590	30	20	2.2	2.8	20	20	4	
MPY3362/3372X	GaP	Yellow Green		20/12	40/24	20	570	572	30	20	2.1	2.8	20	20	4	
MPG3362/3372X	GaP	Green	Pastel Green	12/8	24/16	20	560	567	30	20	2.1	2.8	20	20	4	
MBG3362/3372X	GaP	Pure Green		5/4	10/8	20	555	558	30	20	2.1	2.8	20	20	4	
Units				mcd		mA	nm			mA	V		mA	μA	V	Deg.

Spatial Distribution (x)



Operation Current Derating Chart

