SINGLE COLOR LED

4mm Round Shape

4365S / 4375S Series

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

Outline Dimensions

4.45 ± 0.2 29.5MIN. 4.4 ± 0.2
Meniscus 1MAX. (1)
0.6±0.1
(2.5)
□0.5±0.1 0.7MAX.
ϕ3.9±0.2 ϕ5±0.2
27.5MIN.

Unit: mm
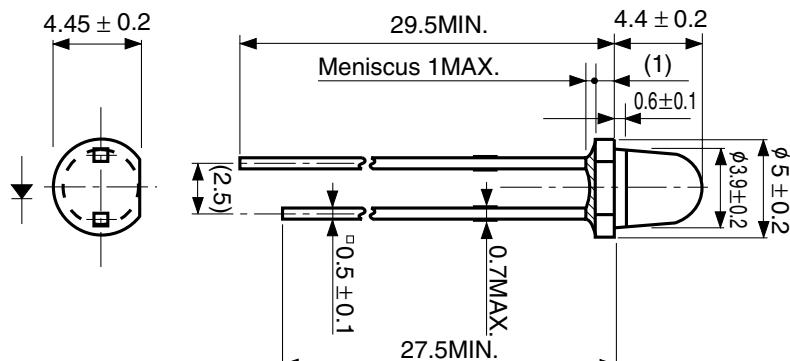
Absolute Maximum Ratings

(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	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)*	I_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

*4365S lens is clear and 4375S 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			Forward Voltage V_F			Reverse Current I_R		Viewing Angle**
							Peak p TYP.	Dominant d TYP.	Spectral Line Half Width TYP.						(2 1/2)
				MIN.	TYP.	I_F				I_F	TYP.	MAX.	I_F	MAX.	V_R
BR4365S/4375S	GaAlAs	Red	Pastel Red	10/6	20/12	20	660	647	30	20	1.7	2.0	20	100	4	70/90°
MPR4365S/4375S	GaP			1.5/0.6	3/1.2	10	700	635	100	10	2.1	2.8	10	20	4	
MVR4365S/4375S	GaAsP			8/5	16/10	20	630	624	30	20	2.0	2.8	20	20	4	
MAA4365S/4375S	GaAsP	Orange	Pastel Orange	10/4	20/8	20	605	606	30	20	2.2	2.8	20	20	4	60/80°
MAY4365S/4375S	GaAsP	Yellow	Pastel Yellow	10/4	20/8	20	580	590	30	20	2.2	2.8	20	20	4	
MPY4365S/4375S	GaP	Yellow Green		15/8	30/16	20	570	572	30	20	2.1	2.8	20	20	4	
MPG4365S/4375S	GaP	Green	Pastel Green	10/6	20/12	20	560	567	30	20	2.1	2.8	20	20	4	
MBG4365S/4375S	GaP	Pure Green		5/3	10/6	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)

4365S

4375S

*Spatial distribution is viewed as a typical illustration and will vary by color

Operation Current Derating Chart

AMBIENT TEMP. vs FORWARD CURRENT
Forward Current If (mA)
BR
MPR, MVR, MAY, MPY
MAA, MPG, MBG
Ambient Temp. Ta (°C)