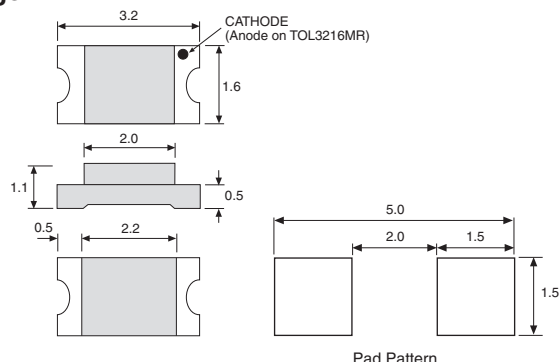


TOL3216 series

Features

- ◆ Standard 1206 SMD package
- ◆ White diffused lens
- ◆ Choice of brightness
- ◆ Solid state reliability
- ◆ Supplied taped and reeled

Package



Dimensions are mm. Tolerance ± 0.1 mm unless otherwise stated.

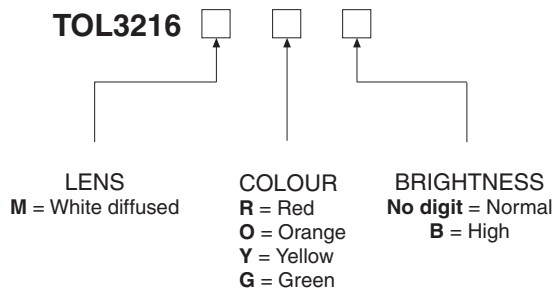
Electrical & Optical Characteristics (at $T_A = 25^\circ\text{C}$)

Part Number	LED Chip			Lens Colour	Peak Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle $2\theta_{1/2}$ (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
TOL3216MR	AlGaAs	Red	Normal	White diffused	660	9.0	17.0	1.8	2.2	170
TOL3216MO	GaAsP	Orange	Normal	White diffused	610	3.0	6.0	2.1	2.6	170
TOL3216MY	GaAsP	Yellow	Normal	White diffused	585	3.0	7.0	2.1	2.6	170
TOL3216MG	GaP	Green	Normal	White diffused	568	5.0	10.0	2.2	2.6	170
TOL3216MRB	AlGaInP	Red	High	White diffused	632	25.0	45.0	2.1	2.8	170
TOL3216MOB	AlGaInP	Orange	High	White diffused	611	25.0	45.0	2.1	2.8	170
TOL3216MYB	AlGaInP	Yellow	High	White diffused	593	25.0	45.0	2.1	2.8	170
TOL3216MGB	AlGaInP	Green	High	White diffused	570	15.0	30.0	2.2	2.8	170

Maximum Ratings (at $T_A = 25^\circ\text{C}$)

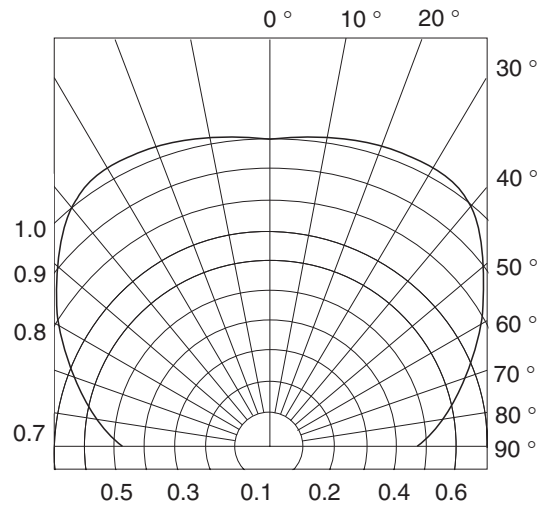
Reverse Voltage ($<100\mu\text{A}$) AlGaAs & AlGaInP 4.0V, others 5.0V
 D.C. Forward Current 30mA
 Pulse Current
 ($1/10$ Duty Cycle, 0.1ms Pulse Width) 100mA
 Operating Temperature Range -30 to $+85^\circ\text{C}$
 Storage Temperature Range -30 to $+100^\circ\text{C}$
 Soldering Temperature 260°C for 5 sec.

Part Number Key

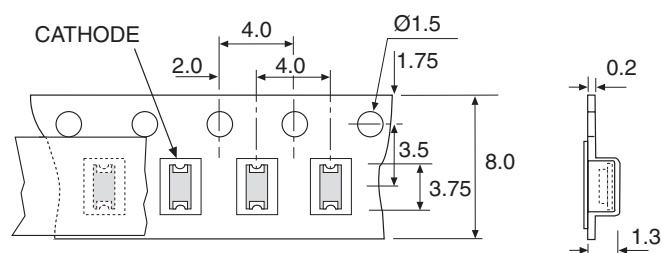


TOL3216 series

Radiation Pattern



Tape & Reel Specification



Dimensions are mm.

Reel quantity: 3,000pcs