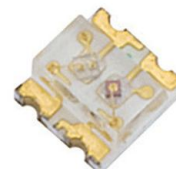


TO-1615BC-MRBEF

Surface Mount Device LED

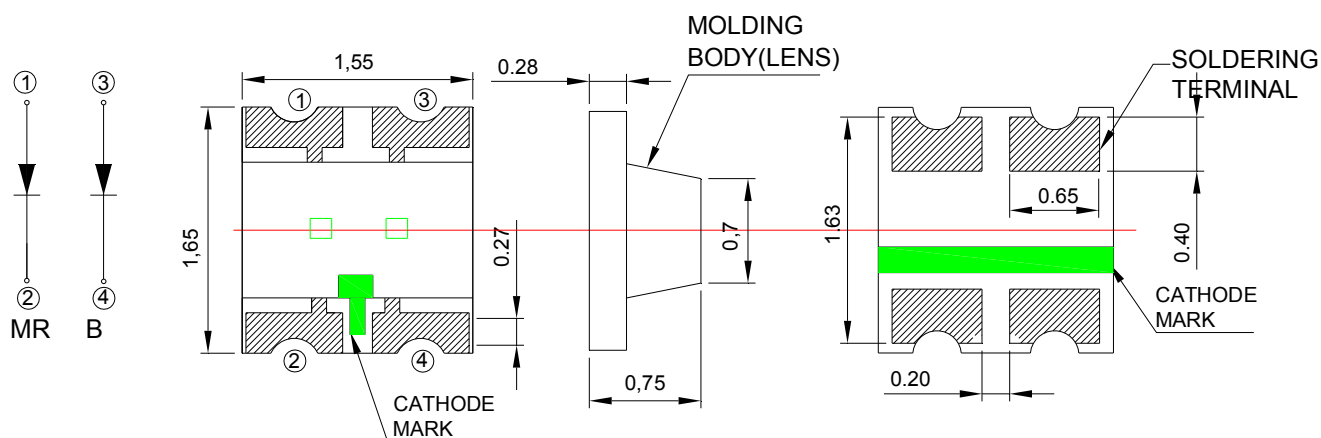
Part Number	Chip		Lens Color
	Material	Source Color	
TO-1615BC-MRBEF	AlGaInP	Ultra Bright Red	Water Clear
	InGaN	Blue	



Features

- IC compatible
- Compatible with automatic placement equipment
- Compatible with infrared and vapor phase reflow soldering process
- Dual-color type.
- Pack in 8 mm tape on 7" diameter reel
- RoHS compliant
- Moisture sensitivity Level: level 3

Dimensions



Notes:

1. All dimensions are in millimeter.
2. Tolerance is ± 0.1 mm unless individual mark noted.

Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating		Unit
	MR	B	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	80	80	mA
Power Dissipation	75	105	mW
Continuous Forward Current	25	25	mA
Reverse Voltage	5	5	V
Operating Temperature Range	-55°C to +85°C		
Storage Temperature Range	-55°C to +105°C		
IR Reflow Soldering Profile For Lead Free Soldering	260°C		

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	MR			B			Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	I _v	51		146	146		417	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		120			120		deg	I _F =20mA
Forward Voltage	V _F		2.0			3.2		V	I _F =20mA
Dominant Wavelength	λ _d		630			468		nm	I _F =20mA
Spectral Line Half-Width	Δλ		15			26		nm	I _F =20mA
Reverse Current	I _R			10			10	μA	V _R =5V