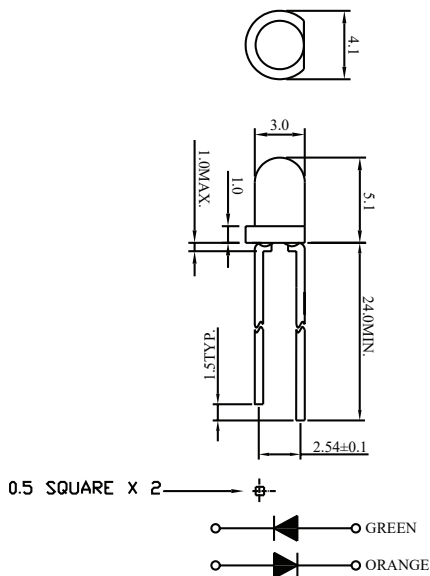


3mm Round Bi-colour Lamp (2 Leads)

multicompPRO

**RoHS
Compliant**

Package Dimensions:



All dimensions are in mm
Tolerance: $\pm 0.25\text{mm}$

Features:

- Green and Orange bi-colour lamp
- Made with GaP / GaP green chip, GaAsP / GaP orange chip and white diffused epoxy resin

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	78	mW
Reverse Voltage	VR	5	V
D.C. Forward Current	If	30	mA
Reverse (Leakage) Current	Ir	100	μA
Peak Current (1 / 10 Duty Cycle, 0.1ms Pulse Width)	If (Peak)	100	mA
Operating Temperature Range	Topr	-25 to + 85	$^\circ\text{C}$
Storage Temperature Range	Tstg	-40 to +100	$^\circ\text{C}$
Soldering Temperature (1.6mm from body)	Tsol	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.	

3mm Round Bi-colour Lamp (2 Leads)

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Electrical & Optical Characteristics: Green

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	I _v	I _f = 20mA	3	8		mcd
Forward Voltage	V _f	I _f = 20mA		2.1	2.6	V
Peak Wavelength	λ _p	I _f = 20mA		567		nm
Dominant Wavelength	λ _d	I _f = 20mA		572		nm
Reverse (Leakage) Current	I _r	V _r = 5V			100	μA
Viewing Angle	2 θ ½	I _f = 20mA		70		deg
Spectrum Line Halfwidth	Δλ	I _f = 20mA		30		nm

Notes: 1. The data is tested by IS tester.

2. Customer's special requirements are also welcome.

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	P _D	78	mW
Reverse Voltage	V _R	5	V
D.C. Forward Current	I _f	30	mA
Reverse (Leakage) Current	I _r	100	μA
Peak Current (1 / 10 Duty Cycle, 0.1ms Pulse Width)	I _f (Peak)	100	mA
Operating Temperature Range	T _{opr}	-25 to + 85	°C
Storage Temperature Range	T _{stg}	-40 to +100	°C
Soldering Temperature (1.6mm from body)	T _{sol}	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.	

Electrical & Optical Characteristics: Orange

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	I _v	I _f = 20mA	3	8		mcd
Forward Voltage	V _f	I _f = 20mA		2.1	2.6	V
Peak Wavelength	λ _p	I _f = 20mA		642		nm
Dominant Wavelength	λ _d	I _f = 20mA		629		nm
Reverse (Leakage) Current	I _r	V _r = 5V			100	μA
Viewing Angle	2 θ ½	I _f = 20mA		70		deg
Spectrum Line Halfwidth	Δλ	I _f = 20mA		30		nm

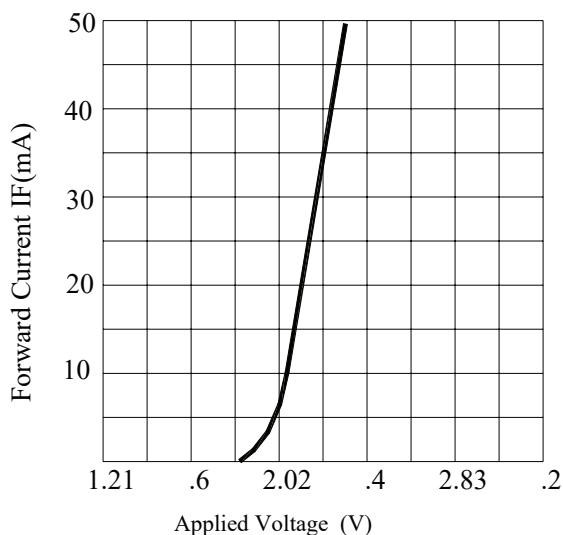
Notes: 1. The data is tested by IS tester.

2. Customer's special requirements are also welcome.

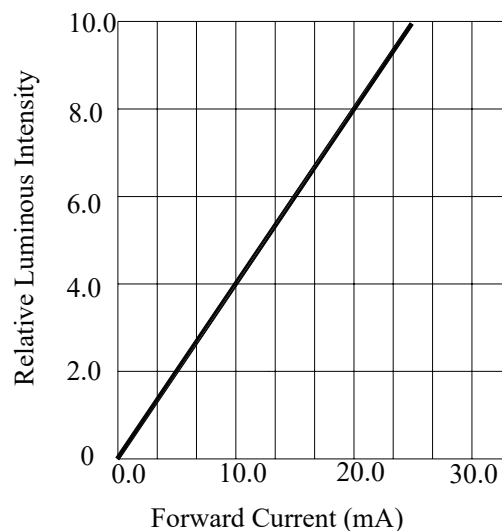
3mm Round Bi-colour Lamp (2 Leads)

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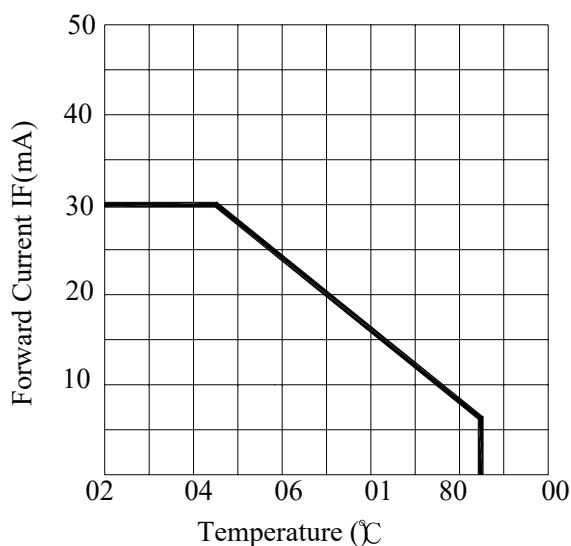
Typical Electrical & Optical Characteristics Curves:



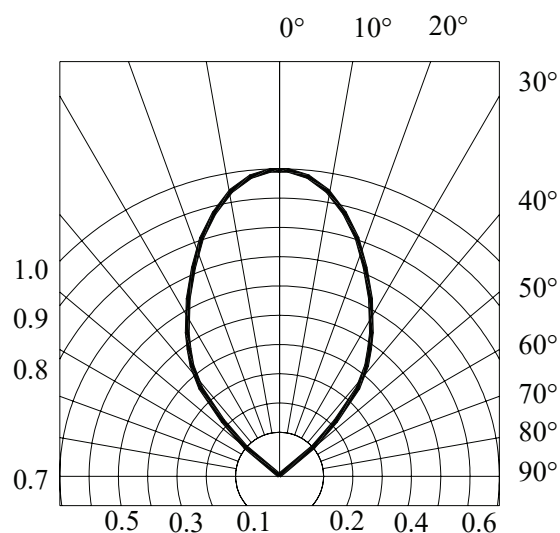
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

3mm Round Bi-colour Lamp (2 Leads)

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Part Number Table

LED Chip		Lens Colour	Part Number
Material	Emitting Colour		
GaP / GaP	Green	White Diffused	703-0102
GaAsP / GaP	Orange		

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