



Features

- 1.62mm × 1.5mm SMD LED, 0.6mm thickness
- Low power consumption
- Wide view angle

Applications

- Ideal for back light and indicator
- Various colours and lens types available

**RoHS
Compliant**

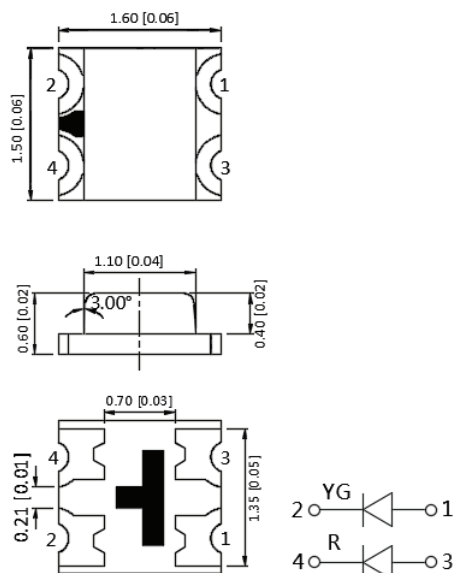
Specifications

Emitting Colour : Red/Yellow Green
 Lens Colour : Water transparent
 Material : AlGaInP/ AlGaInP

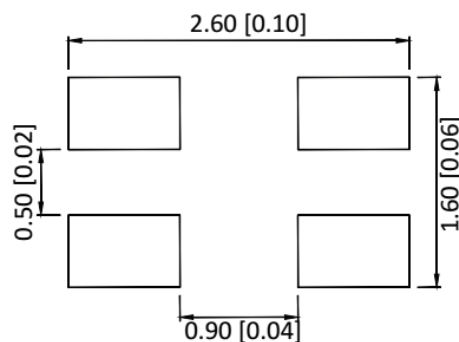
Absolute Maximum Ratings: (T _A = 25°C)				
Parameter	Symbol	Red	Yellow Green	Unit
Forward current	I _F	20		mA
Reverse voltage	V _R	5		V
Power Dissipation	P _D	48		mW
Operating Temperature	T _{op}	-40 to +85		°C
ESD(Human-body mode)	-	4		KV
Storage Temperature	T _{STG}	-40 to +85		°C
Peak pulsing current (1/8 duty f=1kHz)	I _{FP}	30		mA

Electro-Optical Characteristics at T _A = 25°C							
Parameter	Test Condition	Symbol		Min.	Typ.	Max.	Unit
Wavelength at peak emission	If=20mA	λp	Red	--	640	--	nm
			Yellow Green	--	573	--	
Δλ		Red	--	20	--		
		Yellow Green	--	20	--		
λd		Red	630	--	640		
		Yellow Green	565	--	576		
VF		Red	1.8	--	2.4	V	
		Yellow Green	1.8	--	2.4		
Luminous Intensity		IV	Red	63	--	160	mcd
			Yellow Green	32	--	80	
Viewing angle at 50% Iv	If=10mA	2θ1/2		--	120	--	Deg.
Reverse current	Vr=5V	Ir		--	--	10	μA

Package outlines



Recommend Pad Layout

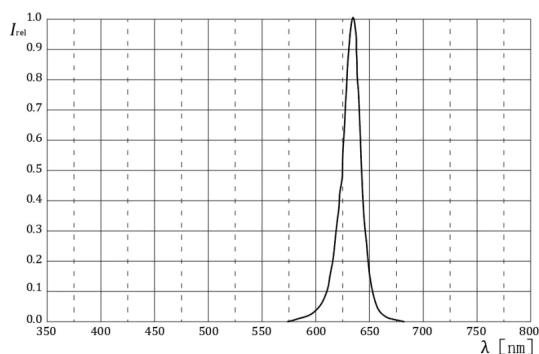


Tolerances are $\pm 0.1\text{mm}$ (0.004inch) unless otherwise noted.

Dimensions : Millimetres (Inches)

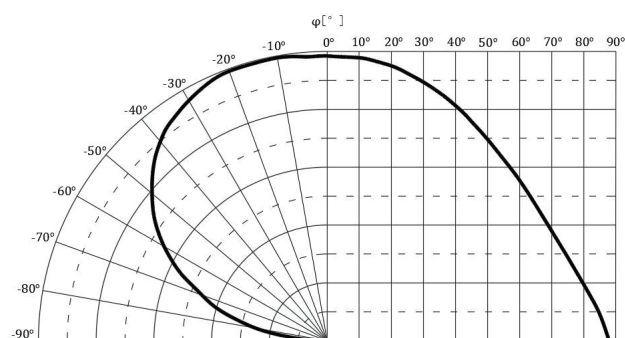
Relative Spectral Emission (Red)

IF=20mA, Ta=25°C

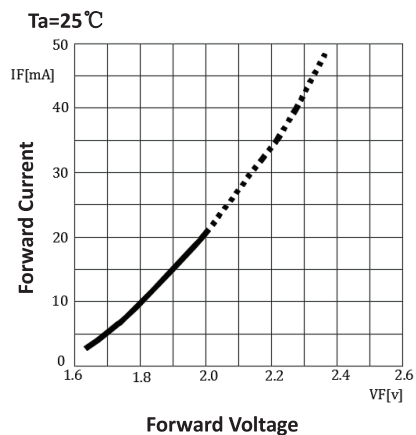


Radiation Characteristics

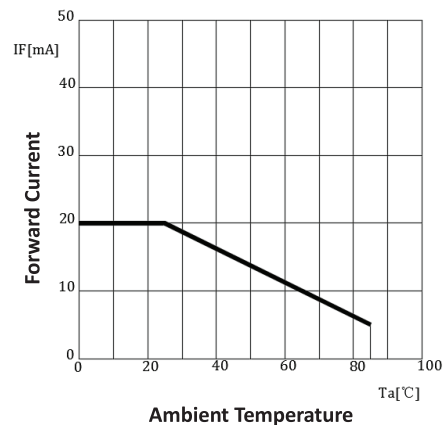
IF=10mA, Ta=25°C



Forward Current vs Forward Voltage

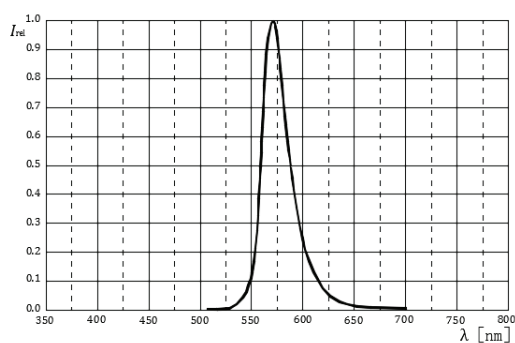


Forward Current Derating Curve



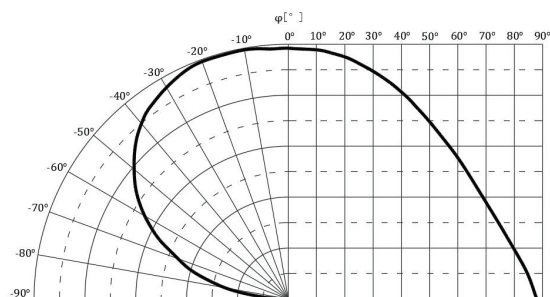
Relative Spectral Emission (Yellow Green)

IF=20mA, Ta=25°C

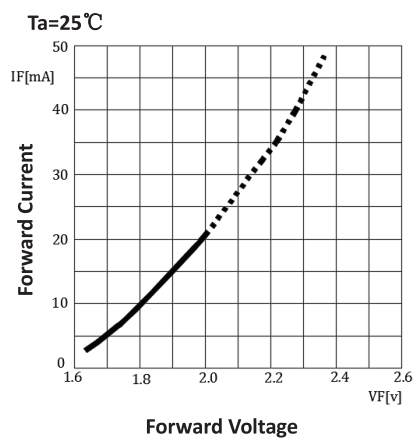


Radiation Characteristics

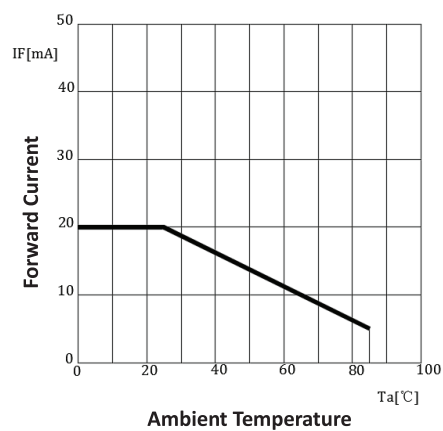
IF=10mA, Ta=25°C



Forward Current vs Forward Voltage

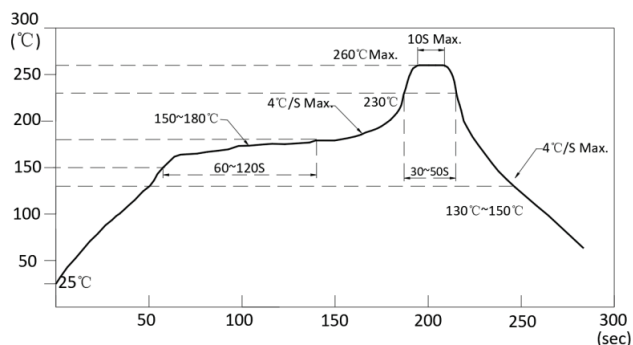


Forward Current Derating Curve



Reflow Profile

Reflow Temp/Time



Notes:

- We recommend the reflow temperature 245°C (±5°C). The maximum soldering temperature should be limited to 260°C.
- Don't cause stress to the epoxy resin while it is exposed to high temperature.
- Number of reflow process shall be 2 times or less.

Part Number Table

Description	Part Number
Multi Colour Led, Red and Yellow Green, SMD 1615, 0.6mm, λp 640nm and 573nm	MP017060

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.