

# Specification Sheet

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**DESCRIPTION:** SMD LEDs

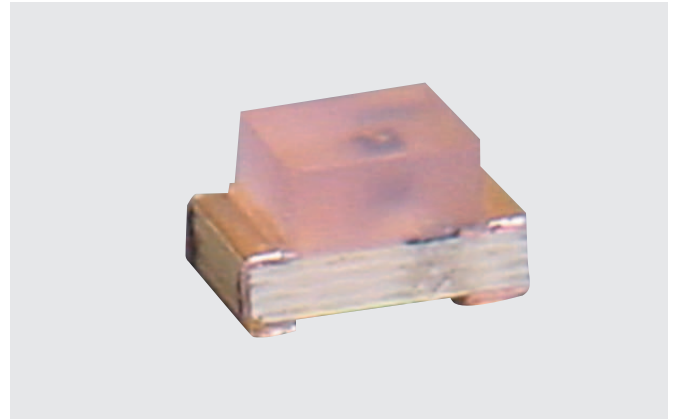
**PART NUMBER:** Y 1043, Y 1058, Y 1075, Y 1081, Y 1109, Y 1118, Y 1127, Y 1136

**FEATURES:**

- High efficiency, low power consumption
- Long life solid state reliability
- Industry standard 1206 & 0805 packages
- Temperature range -25° to +80°C

**OVERVIEW:**

These "flat top" international 1206 & 0805 size LEDs are suitable for all automatic placement equipment. They are suitable for use with a lexan or membrane panel.



**SPECIFICATIONS:**

**1206 Series**

Model Number	Colour	Material	$\lambda_p$ (nm)	$\Delta \lambda$ (nm)	Lense Appearance	Measured at 20mA				Viewing Angle (2 $\theta$ 1/2)
						V Typical	V Max	mcd Min	mcd Max	
Y 1043	Red	GaP/GaP	700	90	Water Clear	2.2	2.6	0.5	1.5	120
Y 1058	Green	GaP/GaP	568	30	Water Clear	2.2	2.6	4.0	12.0	120
Y 1075	Yellow	GaAsP/GaP	585	35	Water Clear	2.1	2.6	2.5	7.0	120
Y 1081	Orange	GaAsP/GaP	610	35	Water Clear	2.0	2.6	1.5	4.5	120

**0805 Series**

Y 1118	Yell/Grn	GaP/GaP	568	30	Water Clear	2.2	2.6	4.0	12.0	120
Y 1127	Yellow	GaAsP/GaP	585	35	Water Clear	2.1	2.6	1.5	5.0	120
Y 1109	Red	GaAsP/GaP	640	45	Water Clear	2.0	2.6	2.5	7.0	120
Y 1136	Amber	GaAsP/GaP	610	35	Water Clear	2.0	2.6	1.5	5.0	120

**Absolute Maximum Ratings**

Forward current .....30mA  
Peak forward current .....100mA  
Reverse voltage .....5V  
Reverse current .....100uA  
Operating temp. ....-25°C to 80°C  
Storage temp.....-30°C to 85°C

