

$\lambda = 655 \text{ nm}, P = 1.7 \text{ mW LED}$

- Glass Lens, 12° Viewing Full Angle
- TO-18 Package

CHARACTERISTIC (T _a = 25 °C)	MIN	TYP.	MAX
Peak Wavelength	645 nm	655 nm	665 nm
Optical Power @ 20 mA, CW	–	1.7 mW	–
Spectral Half Width	–	20 nm	–
Viewing Full Angle	–	12°	–
Forward Current	–	–	50 mA
Pulsed Forward Current*	–	–	75 mA
Reverse Voltage	–	–	5.0 V
Forward Voltage @ 20 mA	–	1.9 V	2.2 V
Operating Temperature	-30 °C	–	85 °C
Storage Temperature	-30 °C	–	100 °C

*1 ms Pulse with 1% Duty Cycle

ITEM#	\$	£	€	RMB	DESCRIPTION
LED661L	\$ 4.25	£ 2.95	€ 3.80	¥ 35.90	LED with Glass Lens, 655 nm, 1.7 mW, TO-18

 $\lambda = 670 \text{ nm}, P = 0.45 \text{ mW LED}$

- Glass Window, 30° Viewing Full Angle
- TO-18 Package

CHARACTERISTIC (T _a = 25 °C)	MIN	TYP.	MAX
Peak Wavelength	650 nm	670 nm	700 nm
Optical Power @ 20 mA, CW	–	0.45 mW	–
Spectral Half Width	–	20 nm	–
Viewing Full Angle	–	30°	–
Forward Current	–	–	60 mA
Pulsed Forward Current	–	–	500 mA
Reverse Voltage	–	–	3.0 V
Forward Voltage @ 20 mA	–	1.9 V	2.2 V
Operating Temperature	-30 °C	–	85 °C
Storage Temperature	-40 °C	–	100 °C
Rise/Fall Time	–	60 ns	100 ns

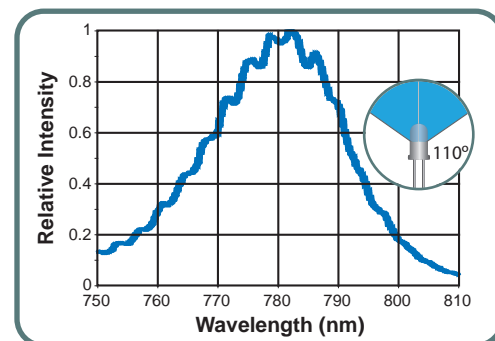
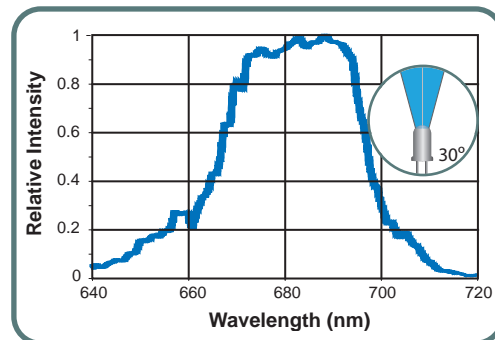
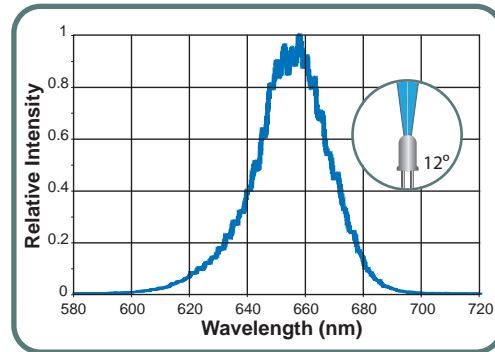
ITEM#	\$	£	€	RMB	DESCRIPTION
LED661W	\$ 3.75	£ 2.60	€ 3.40	¥ 31.70	LED with Glass Window, 670 nm, 0.45 mW, TO-18

 $\lambda = 780 \text{ nm}, P = 6.0 \text{ mW LED}$

- LED with Integrated Photodiode
- TO-18 Package

CHARACTERISTIC (T _a = 25 °C)	MIN	TYP.	MAX
Peak Wavelength	765 nm	780 nm	795 nm
Optical Power @ 20 mA, CW	3 mW	6 mW	–
Spectral Half Width	–	35 nm	–
Viewing Full Angle	–	110°	–
Forward Current	–	–	100 mA
Pulsed Forward Current	–	–	500 mA
Reverse Voltage	–	–	5.0 V
Forward Voltage @ 20 mA	–	1.7 V	2.0 V
Operating Temperature	-20 °C	–	85 °C
Storage Temperature	-30 °C	–	100 °C
Rise/Fall Time	–	60/40 ns	–

ITEM#	\$	£	€	RMB	DESCRIPTION
LED781M	\$ 72.00	£ 50.00	€ 64.00	¥ 608.00	LED with Integrated Photodiode, 780 nm, 6.0 mW, TO-18



IR Viewing and Alignment Disks with SM1 and RMS Thread



SM1A7 Alignment Disk with SM1 Thread
See Page 1242