

# Low Profile 0805 SMD LEDs

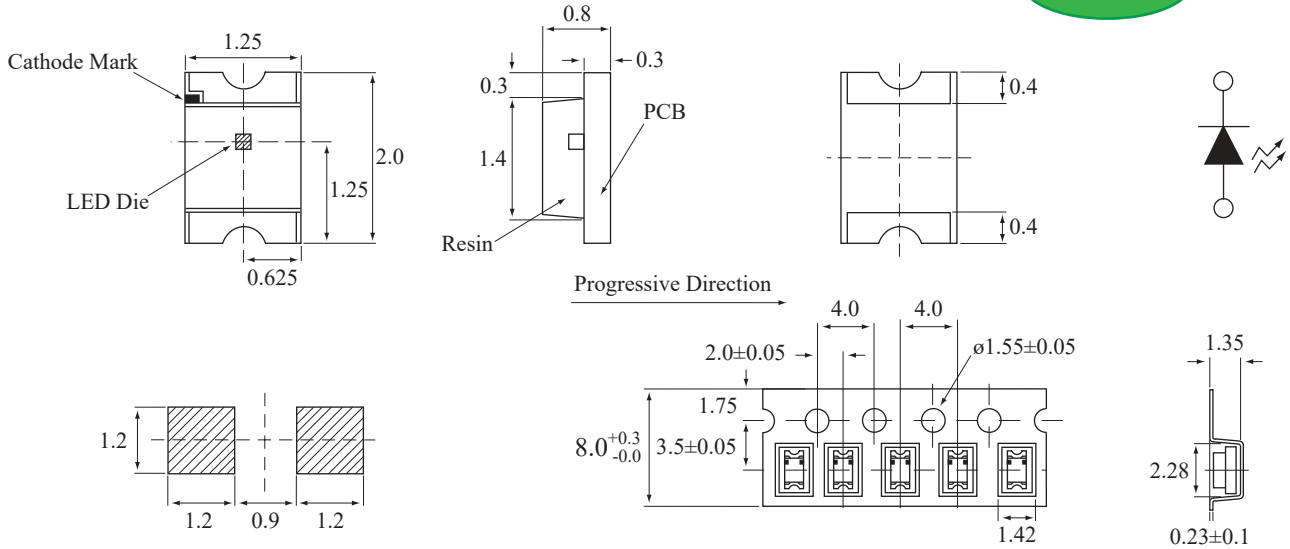
**0805 Chip Size Surface Mount LED**

**Suitable for Telecommunication,  
LCD, Switch and Symbol and  
Automotive Applications**

**8mm Tape & Reel for Automated  
Placement**

**3,000 Pieces per Reel**

**RoHS Compliant** 



Part Number	Power Dissipation	Peak Forward Current	Continuous Forward Current	Reverse Voltage	Operating Temp Range	Storage Temp Range	Soldering Temp
ML172L-SRW-T	72mW	100mA	30mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172Z-YGW-T	72mW	100mA	30mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172X-YW-T	60mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172V-BW-T	95mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172V-PGW-T	95mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172N-SYGW-T	60mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172N-SYW-T	60mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172N-HRW-T	60mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172V-WYD-T	95mW	100mA	25mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec
ML172F-AW-T	75mW	100mA	30mA	5V	-40°C ~ +80°C	-40°C ~ +85°C	260°C for 5 Sec

Part Number	Lighting Colour	Die Material	V <sub>F</sub>			Peak Wavelength typ (nm)	Dominant Wavelength typ (nm)	I <sub>V</sub>			Viewing Angle (deg)
			I <sub>F</sub> (mA)	typ (V)	max (V)			I <sub>F</sub> (mA)	min (mcd)	typ (mcd)	
ML172L-SRW-T	Super Red	GaAlAs	1.5	2.0	2.4	660	640	20	6	12	130°
ML172Z-YGW-T	Yellow Green	GaP	1.5	2.0	2.4	575	573	20	5	8	130°
ML172X-YW-T	Yellow	GaAsP/GaP	1.6	2.0	2.4	592	589	20	5	8	130°
ML172V-BW-T	Blue	InGaN	2.8	3.4	3.8	468	470	20	20	40	130°
ML172V-PGW-T	Pure Green	InGaN	2.8	3.4	3.8	520	525	20	80	200	130°
ML172N-SYGW-T	S Yellow Green	AlGaInP	1.6	2.0	2.4	575	573	20	15	30	130°
ML172N-SYW-T	Super Yellow	AlGaInP	1.6	2.0	2.4	592	589	20	25	45	130°
ML172N-HRW-T	Hyper Red	AlGaInP	1.6	2.0	2.4	632	624	20	25	45	130°
ML172V-WYD-T	White	InGaN	2.8	3.4	3.8	-	-	20	200	300	130°
ML172F-AW-T	Amber	GaAsP	1.6	2.0	2.5	610	605	20	-	6	130°