

# Ultra Thin 0603 SMD LEDs

0603 Chip Size Surface Mount LED

Height 0.2mm

Ideal for applications requiring an Ultra Thin Device

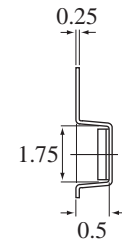
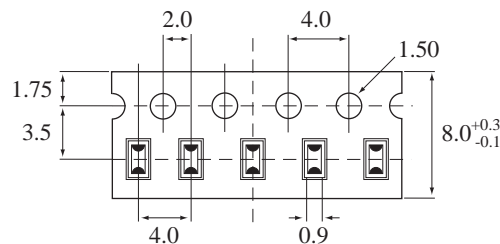
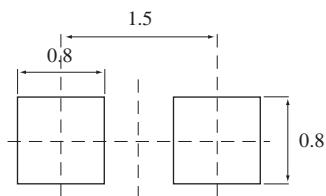
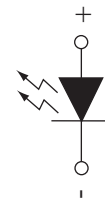
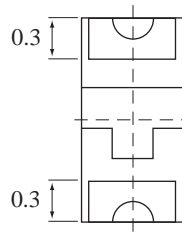
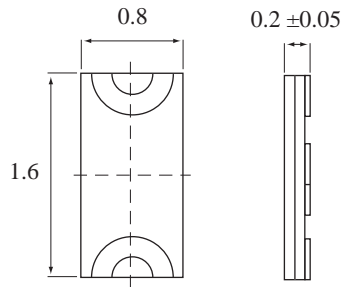
Applications include Membrane Switches, Flexible Circuits, Keypads, Switch & LCD Backlighting

8mm Tape & Reel compatible with Automated Placement equipment

3,000 Pieces per Reel

Moisture Resistant Packaging

Pb-Free & RoHS Compliant



Part Number	Power Dissipation	Peak Forward Current	Continuous Forward Current	Reverse Voltage	Operating Temp Range	Storage Temp Range	Reflow Soldering Temp
ML197N-BRW-T	60mW	60mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197N-HRW-T	120mW	100mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197V-BGW-T	95mW	100mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197N-BYGW-T	60mW	60mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197N-BYW-T	60mW	60mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197N-BOW-T	60mW	60mA	25mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197V-BW-T	40mW	30mA	10mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec
ML197V-WYD-T	40mW	30mA	10mA	5V	-40°C ~ +85°C	-40°C ~ +90°C	260°C for 10 Sec

Part Number	Lighting Colour	Die Material	V <sub>F</sub>			Peak 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)	max (mcd)	
ML197N-BRW-T	Brilliant Red	AlGaInP	1.7	-	2.2	632	-	18	45	130°
ML197N-HRW-T	Hyper Red	AlGaInP	1.75	-	2.35	639	-	180	450	130°
ML197V-BGW-T	Brilliant Green	InGaN	2.7	2.9	3.1	518	-	140	360	130°
ML197N-BYGW-T	Brilliant Yellow Green	AlGaInP	1.7	-	2.2	575	-	7.2	18	130°
ML197N-BYW-T	Brilliant Yellow	AlGaInP	1.7	-	2.2	591	-	18	45	130°
ML197N-BOW-T	Brilliant Orange	AlGaInP	1.7	-	2.2	611	-	28.5	57	130°
ML197V-BW-T	Blue	InGaN	10	-	3.0	468	5	29	75	120°
ML197V-WYD-T	White	InGaN	10	-	3.0	-	5	92	187	130°

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