

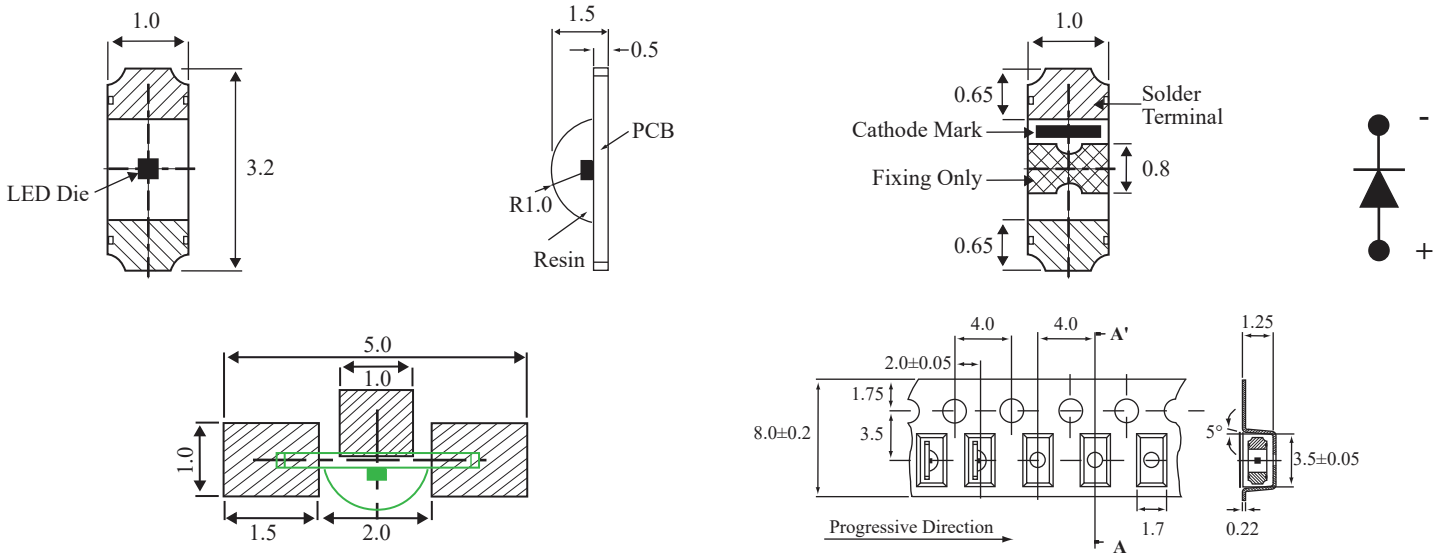
# Side Firing SMD LEDs

Side Firing Package  
Surface Mount LED

Low Power, Long Life

Tape & Reel for Automated  
Pick & Place Machines

3,000 pieces per Reel



| Part Number  | Power Dissipation | Peak Forward Current | Continuous Forward Current | Reverse Voltage | Operating Temp Range | Storage Temp Range | Soldering Temp  |
|--------------|-------------------|----------------------|----------------------------|-----------------|----------------------|--------------------|-----------------|
| ML110N-HRW-T | 60mW              | 60mA                 | 25mA                       | 5V              | -40°C ~ +85°C        | -40°C ~ +100°C     | 260°C for 5 Sec |
| ML110N-SYW-T | 70mW              | 60mA                 | 25mA                       | 5V              | -40°C ~ +85°C        | -40°C ~ +100°C     | 260°C for 5 Sec |
| ML110V-PGW-T | 100mW             | 70mA                 | 25mA                       | 5V              | -40°C ~ +85°C        | -40°C ~ +100°C     | 260°C for 5 Sec |
| ML110V-BW-T  | 100mW             | 100mA                | 25mA                       | 5V              | -40°C ~ +85°C        | -40°C ~ +100°C     | 260°C for 5 Sec |
| ML110V-WYD-T | 95mW              | 100mA                | 25mA                       | 5V              | -40°C ~ +85°C        | -40°C ~ +100°C     | 260°C for 5 Sec |

| Part Number  | Lighting Colour | Die Material | V <sub>F</sub>      |         |         | Peak Wavelength<br>typ (nm) | Dominant Wavelength<br>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) |                     |
| ML110N-HRW-T | Hyper Red       | AlGaInP      | 20                  | 2.0     | 2.4     | 624                         | 632                             | 20                  | 30        | 50        | 120°                |
| ML110N-SYW-T | Super Yellow    | AlGaInP      | 20                  | 2.1     | 2.8     | 589                         | 593                             | 20                  | 30        | 50        | 120°                |
| ML110V-PGW-T | Pure Green      | InGaN        | 20                  | 3.5     | 4.0     | 525                         | 530                             | 20                  | 100       | 200       | 120°                |
| ML110V-BW-T  | Blue            | InGaN        | 20                  | 3.5     | 4.0     | 470                         | 475                             | 20                  | 30        | 50        | 120°                |
| ML110V-WYD-T | White           | InGaN        | 20                  | 3.2     | 3.8     | X 0.30                      | Y 0.31                          | 20                  | 550       | 800       | 120°                |