

*Pix-Tek™ Surface Mount LEDs*



- ◆ Innovative SMD Package Allows For Full Featured Discrete LEDs With Surface Mount Flexibility
- ◆ 5x5mm Pixel Design Allows For The Widest Possible Viewing Angle
- ◆ Bi-Color And RGB Full Spectrum Options Ideally Suited For Moving Message, POS Ad Graphics Display
- ◆ Super And Ultra Bright Options
- ◆ 750 Pieces Per Reel With Smaller Quantities Available Upon Request

**PTS5**  
**Square Pixel LED**  
**Bi-Color & RGB**

| PART NO.   | CHIP             |              | LENS<br>APPEARANCE | ABSOLUTE<br>MAXIMUM RATINGS |            |        |                | ELECTRO-OPTICAL DATA |      |                 | VIEWING<br>ANGLE<br>(deg) | INTERNAL<br>CIRCUIT |
|------------|------------------|--------------|--------------------|-----------------------------|------------|--------|----------------|----------------------|------|-----------------|---------------------------|---------------------|
|            | EMITTED<br>COLOR | PEAK<br>(nm) |                    | $\Delta\lambda$<br>(nm)     | pd<br>(mW) | If(mA) | Peak<br>If(mA) | @ 20mA               |      | Iv Typ<br>(mcd) |                           |                     |
|            |                  |              |                    |                             |            |        |                | TYP                  | MAX  |                 |                           |                     |
| PTS5BC-CA  | RED              | 660          | WHITE DIFFUSED     | 25                          | 100        | 30     | 150            | 1.80                 | 2.30 | 19              | 45                        |                     |
|            | GREEN            | 565          | WHITE DIFFUSED     | 32                          | 100        | 30     | 150            | 2.10                 | 2.50 | 13              | 45                        |                     |
| PTS5BC     | HE RED           | 640          | WHITE DIFFUSED     | 23                          | 80         | 30     | 150            | 1.90                 | 2.40 | 52              | 45                        |                     |
|            | GREEN            | 575          | WHITE DIFFUSED     | 18                          | 100        | 30     | 150            | 2.10                 | 2.60 | 37              | 45                        |                     |
| PTS5BC-AG  | AMBER            | 610          | WHITE DIFFUSED     | 40                          | 100        | 30     | 150            | 2.00                 | 2.50 | 11              | 45                        |                     |
|            | GREEN            | 565          | WHITE DIFFUSED     | 30                          | 100        | 30     | 150            | 2.20                 | 2.70 | 16              | 45                        |                     |
| PTS5BC-SRG | S RED            | 660          | WHITE DIFFUSED     | 24                          | 80         | 30     | 150            | 1.80                 | 2.30 | 20              | 45                        |                     |
|            | GREEN            | 565          | WHITE DIFFUSED     | 31                          | 100        | 30     | 150            | 2.20                 | 2.60 | 15              | 45                        |                     |
| PTS5-RGB   | RED              | 656          | WHITE DIFFUSED     | 24                          | 80         | 30     | 150            | 1.80                 | 2.30 | 20              | 45                        |                     |
|            | GREEN            | 566          | WHITE DIFFUSED     | 31                          | 100        | 30     | 150            | 2.15                 | 2.60 | 17              | 45                        |                     |
|            | BLUE             | 430          | WHITE DIFFUSED     | 60                          | 150        | 30     | 150            | 4.00                 | 4.50 | 8               | 45                        |                     |
| PTS5-SRGB  | S RED            | 643          | WHITE DIFFUSED     | 23                          | 150        | 30     | 150            | 1.90                 | 2.40 | 52              | 45                        |                     |
|            | S GREEN          | 525          | WHITE DIFFUSED     | 40                          | 150        | 30     | 150            | 3.20                 | 3.60 | 120             | 45                        |                     |
|            | S BLUE           | 465          | WHITE DIFFUSED     | 33                          | 150        | 30     | 150            | 3.30                 | 3.80 | 38              | 45                        |                     |

