



- ◆ Innovative SMD Package Allows For Full Featured Discrete LEDs With Surface Mount Flexibility
- ◆ 5mm Pixel Design Allows For Replacement Of Standard Through Hole LEDs
- ◆ Super Bright And Ultra Bright Options For Every Application
- ◆ 750 Pieces Per Reel With Smaller Quantities Available Upon Request

### PT5 SERIES

#### Round Surface Mount Discrete

| PART NO.    | CHIP          |           | LENS APPEARANCE | ABSOLUTE MAXIMUM RATINGS |         |         | Peak If (mA) | ELECTRO-OPTICAL DATA @ 20mA |      |              | VIEWING ANGLE (deg) | INTERNAL CIRCUIT                                                                    |
|-------------|---------------|-----------|-----------------|--------------------------|---------|---------|--------------|-----------------------------|------|--------------|---------------------|-------------------------------------------------------------------------------------|
|             | EMITTED COLOR | PEAK (nm) |                 | $\Delta\lambda$ (nm)     | pd (mW) | If (mA) |              | Vf (V)                      |      | Iv Typ (mcd) |                     |                                                                                     |
|             |               |           |                 |                          |         |         |              | TYP                         | MAX  |              |                     |                                                                                     |
| PT5-ERC-20  | RED           | 660       | WATER CLEAR     | 25                       | 100     | 30      | 150          | 1.80                        | 2.30 | 19           | 22                  |  |
| PT5-HC-20   | HE RED        | 640       | WATER CLEAR     | 23                       | 80      | 30      | 150          | 1.90                        | 2.40 | 52           | 22                  |                                                                                     |
| PT5-SHC-20  | S HE RED      | 635       | WATER CLEAR     | 25                       | 80      | 30      | 150          | 1.90                        | 2.40 | 67           | 22                  |                                                                                     |
| PT5-SOC-20  | ORANGE        | 620       | WATER CLEAR     | 18                       | 100     | 30      | 150          | 1.90                        | 2.40 | 75           | 22                  |                                                                                     |
| PT5-SAC-20  | AMBER         | 610       | WATER CLEAR     | 25                       | 100     | 30      | 150          | 1.90                        | 2.40 | 52           | 22                  |                                                                                     |
| PT5-UAC-20  | AMBER         | 600       | WATER CLEAR     | 20                       | 100     | 30      | 150          | 1.90                        | 2.40 | 75           | 22                  |                                                                                     |
| PT5-SYC-20  | YELLOW        | 595       | WATER CLEAR     | 32                       | 100     | 30      | 150          | 2.00                        | 2.50 | 57           | 22                  |                                                                                     |
| PT5-YC-20   | YELLOW        | 586       | WATER CLEAR     | 37                       | 100     | 30      | 150          | 2.10                        | 2.50 | 7            | 22                  |                                                                                     |
| PT5-SGC-20  | S GREEN       | 575       | WATER CLEAR     | 18                       | 100     | 30      | 150          | 2.10                        | 2.60 | 37           | 22                  |                                                                                     |
| PT5-GC-20   | GREEN         | 565       | WATER CLEAR     | 32                       | 100     | 30      | 150          | 2.25                        | 2.70 | 17           | 22                  |                                                                                     |
| PT5-UGC-20  | U GREEN       | 525       | WATER CLEAR     | 40                       | 150     | 30      | 150          | 3.20                        | 3.80 | 120          | 22                  |                                                                                     |
| PT5-UTC-20  | TURQUOISE     | 505       | WATER CLEAR     | 37                       | 150     | 30      | 150          | 3.30                        | 4.00 | 120          | 22                  |                                                                                     |
| PT5-UBWC-20 | S BLUE        | 460       | WATER CLEAR     | 68                       | 150     | 30      | 150          | 3.40                        | 4.00 | 36           | 22                  |                                                                                     |
| PT5-SBWC-20 | BLUE          | 430       | WATER CLEAR     | 60                       | 150     | 30      | 150          | 4.00                        | 4.50 | 8            | 22                  |                                                                                     |

