

Opto-Electronic Devices (NEPOC)

• Light-Emitting Diodes

| Color | Package | Type No. | Material | λ_p (nm) |
|--|--|---|-----------------|------------------|
| Red | TO-18 (Clear Plastic) | SR101C | GaAsP | 660 |
| | TO-18 (Clear Glass) | SR102 | GaAsP | 660 |
| | TO-18 (Red Diffused Plastic) | SR104D | GaAsP | 660 |
| | TO-18 (Red Diffused Plastic) | SR104DA | GaAsP | 660 |
| | 3 ϕ Plastic Molded (Clear Plastic) | SR505C, SR615C | GaP, GaAsP (N) | 630 |
| | 3 ϕ Plastic Molded (Red Diffused Plastic) | SR505D, SR615D | GaP, GaAsP (N) | 630 |
| | 5 ϕ Plastic Molded (Clear Plastic) | SR503C, SR513C | GaP | 695 |
| | 5 ϕ Plastic Molded (Red Diffused Plastic) | SR503D, SR513D | GaP | 695 |
| | 5 ϕ Plastic Molded (White Diffused Plastic) | SR503W, SR513W | GaP | 695 |
| | 5 ϕ Plastic Molded (Red Diffused Plastic) | SR603D, SR613D | GaAsP (N) | 630 |
| | 5 ϕ Plastic Molded (Clear Plastic) | SR603C, SR613C | GaAsP (N) | 630 |
| | 5 ϕ Plastic Molded (White Diffused Plastic) | SR603W, SR613W | GaAsP (N) | 630 |
| | Green | 5 ϕ Plastic Molded (Green Clear Plastic) | SG203TA, SG213T | GaP |
| 5 ϕ Plastic Molded (Green Diffused Plastic) | | SG203DA, SG213D | GaP | 565 |
| TO-18 (Green Diffused Plastic) | | SG204D | GaP | 565 |
| 3 ϕ Plastic Molded (Green Clear Plastic) | | SG205T, SG215T | GaP | 565 |
| 3 ϕ Plastic Molded (Green Diffused Plastic) | | SG205D, SG215D | GaP | 565 |
| Amber | 5 ϕ Plastic Molded (Amber Clear Plastic) | SY403TA, SY413T | GaAsP | 590 |
| | 5 ϕ Plastic Molded (Amber Diffused Plastic) | SY403DA, SY413D | GaAsP | 590 |
| | TO-18 (Amber Clear Plastic) | SY404T | GaAsP | 590 |
| | TO-18 (Amber Diffused Plastic) | SY404D | GaAsP | 590 |
| | 3 ϕ Plastic Molded (Amber Clear Plastic) | SY405T, SY415T | GaAsP | 590 |
| | 3 ϕ Plastic Molded (Amber Diffused Plastic) | SY405D, SY415D | GaAsP | 590 |
| Infrared | TO-18 (Clear Glass) | SE301A | GaAs | 940 |

• Photo-Transistors

| Package | Type No. | Features |
|----------------------|----------------|--------------------------------|
| Small Plastic Molded | PH103 PH104 | High sensitivity High speed |
| TO-18 (Clear Glass) | PT8L | High reliability |

• Photo-Couplers

| Type No. | Package | Features |
|----------|-----------|-----------------------|
| PS1001 | TO-5 | High reliability |
| PS2010 | 6-pin DIP | General purpose |
| PS2021 | 6-pin DIP | " (Viso \geq 4KVAC) |
| PS2022 | 6-pin DIP | " (High CTR) |

• Photo-Diodes

| Type No. | Package |
|----------|-----------|
| PH301 | Metal Can |

(ϕ in mm)

• Photo-Interrupters

| Type No. | Width of Slit (mm) |
|----------|--------------------|
| PS4001 | 2.5 |
| PS4003 | 2.5 |
| PS4005 | 4.2 |
| PS4007 | 4.2 |
| PS4008 | 2.5 |
| PS4009 | 4.2 |
| PS4010 | 3.2 |
| PS4011 | 3.0 |

Thyristors

| Package | | Power Mini Mold | TO-92 | MP7 (TO-202AA) | | | | | | MP25 (TO-220AB) | | | |
|------------------------|-------------|-----------------|---------|----------------|---------|------|--------|-------|------|-----------------|------|------|------|
| I_T (RMS) | A | | 0.47 | 4 | 4 | 4 | 4.7 | 4.7 | 4.7 | 8 | 8 | 12 | |
| I_T (AV) | A | | 0.3 | 2 | 2.5 | 2 | 3 | 3 | 3 | 5.1 | 5.1 | 8 | |
| I_{TSM} | A | | 8 | 20 | 35 | 20 | 65 | 65 | — | 80 | — | 100 | |
| T_J | $^{\circ}C$ | | 125 | 110 | 125 | 110 | 125 | 125 | 125 | 110 | 125 | 125 | |
| V_{DRM} V_{RRM} | 50 | V | | 2P05M | | | | | | 5P05M | | | |
| | 60 | | N203YY | | | | | | | | | | |
| | 100 | | N203A | 2P1M | | 3P1M | 3P1MH | | 5P1M | | 8P1M | | |
| | 200 | | 03P2J | N203B | 2P2M | 2S2M | 3P2M | 3P2MH | | 5P2M | | 8P2M | |
| | 300 | | | N203C | | 2S3M | | | | | | | |
| | 400 | | 03P4J | N203D | 03P4MGC | 2P4M | 2V5P4M | 2S4M | 3P4M | 3P4MH | 3S4M | 5P4M | 5S4M |
| | 500 | | | | 03P5MGC | 2P5M | 2V5P5M | | 3P5M | | | 5P5M | |
| 600 | | | 03P6MGC | 2P6M | 2V5P6M | | 3P6M | | | 5P6M | | | |
| I_{GT} | mA | 0.2 | 0.2 | 50 μ A | 0.2 | 0.1 | 0.3 | 5 | 0.2 | 30 | 15 | 50 | 15 |
| t_q (TYP.) | μ s | 25 | 15 | 100 | 80 | 80 | 15 | 100 | 100 | 5 | 80 | 5 | 80 |



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

LittleDiode.com

Looking forward to providing you with the best possible service.