

# ダイオード RECTIFIER DIODES

SHINDENGEN ELECTRIC MFG 32E D ■ 8219387 0000004 0 ■ SHEJ

整流ダイオード Rectifier Diodes

T-01-13

## 単体ダイオード Single Diodes

| 品名<br>Type No. | 級色別<br>Color Code | 絶対最大定格<br>Absolute Maximum Ratings |           |                  |             |              |            | 電気的・熱的特性<br>Electrical Characteristics |                 |                               |                    |                       |                        | 備考<br>Remarks | 外形<br>No.<br>Outline No. |                        |        |
|----------------|-------------------|------------------------------------|-----------|------------------|-------------|--------------|------------|--|-----------------|-------------------------------|--------------------|-----------------------|------------------------|---------------|--------------------------|------------------------|--------|
|                |                   | VRM<br>[V]                         | Io<br>[A] | 条件<br>Ta<br>[°C] | IFSM<br>[A] | Tstg<br>[°C] | Tj<br>[°C] | Vf<br>(max)<br>[V]                     | 条件<br>IF<br>[A] | IR<br>(max)<br>VR=VRM<br>[μA] | Vz<br>(min)<br>[V] | θj<br>(max)<br>[°C/W] | θja<br>(max)<br>[°C/W] |               |                          | θjo<br>(max)<br>[°C/W] |        |
| D1N20          | —                 | 200                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 40             | —                 | 400                                | 1         | 25               | 30          | -40~+150     | +150       | 1.05                                   | 1               | 10                            | —                  | 10                    | 113                    | —             | —                        | Fig. 1                 |        |
| 60             | —                 | 600                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| D1V20          | Red               | 200                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 40             | Yellow            | 400                                | 1         | 25               | 30          | -40~+150     | +150       | 1.1                                    | 1               | 10                            | —                  | 15                    | 108                    | —             | —                        | Fig. 2                 |        |
| 60             | Blue              | 600                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| S2V10          | Brown             | 100                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 20             | Red               | 200                                | 1.7       | 40               | 60          | -40~+150     | +150       | 1.05                                   | 1.7             | 10                            | —                  | 8                     | 69                     | —             | —                        | —                      |        |
| 40             | Yellow            | 400                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 60             | Blue              | 600                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| S3V10          | Brown             | 100                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 20             | Red               | 200                                | 3.5       | 40               | 120         | -40~+150     | +150       | 1.05                                   | 2.6             | 10                            | —                  | 6.5                   | 47                     | —             | —                        | —                      |        |
| 40             | Yellow            | 400                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 60             | Blue              | 600                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |        |
| 60Z            | Blue              | 600                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          | Avalanche diode        | Fig. 5 |

## ツインダイオード Twin Diodes

| 品名<br>Type No. | 級色別<br>Color Code | 絶対最大定格<br>Absolute Maximum Ratings |           |                  |             |              |            | 電気的・熱的特性<br>Electrical Characteristics |                 |                               |                    |                       |                        | 備考<br>Remarks | 外形<br>No.<br>Outline No. |                        |         |
|----------------|-------------------|------------------------------------|-----------|------------------|-------------|--------------|------------|--|-----------------|-------------------------------|--------------------|-----------------------|------------------------|---------------|--------------------------|------------------------|---------|
|                |                   | VRM<br>[V]                         | Io<br>[A] | 条件<br>Ta<br>[°C] | IFSM<br>[A] | Tstg<br>[°C] | Tj<br>[°C] | Vf<br>(max)<br>[V]                     | 条件<br>IF<br>[A] | IR<br>(max)<br>VR=VRM<br>[μA] | Vz<br>(min)<br>[V] | θj<br>(max)<br>[°C/W] | θja<br>(max)<br>[°C/W] |               |                          | θjo<br>(max)<br>[°C/W] |         |
| S3VC10         | —                 | 100                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        |         |
| 10R            | Red               | 200                                | 2.5       | 40               | 120         | -40~+150     | +150       | 1.05                                   | 1.25            | 10                            | —                  | 5                     | —                      | —             | —                        | —                      | *1      |
| 20             |                   |                                    |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        | *2      |
| 20R            |                   |                                    |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        | *1      |
| 40             | Yellow            | 400                                |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        | *2      |
| 40R            |                   |                                    |           |                  |             |              |            |  |                 |                               |                    |                       |                        |               |                          |                        | *1      |
| D10VD60Z       | —                 | 600                                | 30        | 97*              | 300         | -40~+150     | +150       | 1.05                                   | 10              | 10                            | 800                | —                     | —                      | 2.5           | Avalanche diode          | *3                     | Fig. 12 |
| S15VD40        | —                 | 400                                | 18        | 94*              | 400         | -40~+150     | +150       | 1.05                                   | 15              | 10                            | —                  | —                     | —                      | 3.5           | *3                       |                        | Fig. 9  |
| D30VC60        | —                 | 600                                | 30        | 90*              | 300         | -40~+150     | +150       | 1.05                                   | 15              | 10                            | —                  | —                     | —                      | 2             | *1                       |                        | Fig. 8  |

\*: To

\*1: センタータップ  
Center-tap



\*2: センタータップ  
Center-tap



\*3: ダブラー形  
Doubler type



## 外形図 Outline Dimensions

[Unit: mm]

