

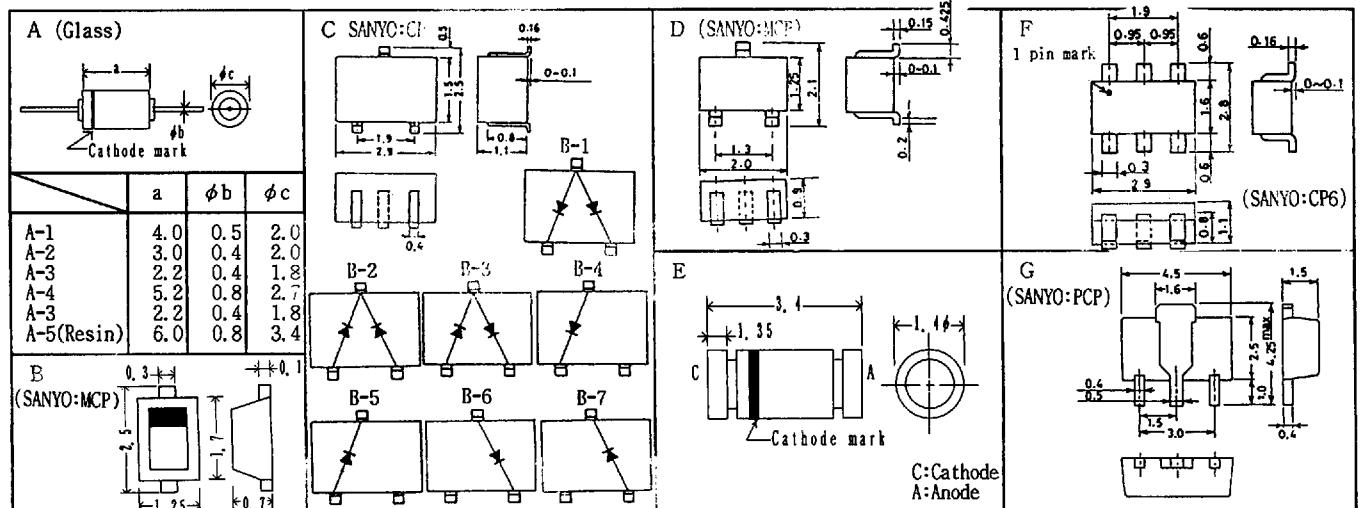
## Quick Guide To Small Signal Diodes

### Very Fast Switching Diodes

| Features               | Type No.<br>( ): Marking | Package | Outline No. | Absolute Maximum Ratings/Ta=25°C |         |          | Electrical Characteristics/Ta=25°C |            |        |             |         |                          | Remarks                    |
|------------------------|--------------------------|---------|-------------|----------------------------------|---------|----------|------------------------------------|------------|--------|-------------|---------|--------------------------|----------------------------|
|                        |                          |         |             | VR (V)                           | IO (mA) | IFM (mA) | IF (mA)                            | VF max (V) | VR (V) | IR max (μA) | IF (mA) | t <sub>rr</sub> max (ns) |                            |
| General purpose        | DS442X                   | Do-35   | A-1         | 50                               | 130     | 400      | 1.5                                | 0.65       | 50     | 0.5         | 10      | 2                        |                            |
|                        | GMA01                    | Do-34   | A-2         | 55                               | 120     | 360      | 1.5                                | 0.68       | 55     | 0.5         | 10      | 4                        |                            |
|                        | GMB01                    | Do-34S  | A-3         | 55                               | 120     | 360      | 1.5                                | 0.68       | 55     | 0.5         | 10      | 4                        |                            |
| High withstand Voltage | DS446                    | Do-35   | A-1         | 100                              | 200     | 500      | 1.5                                | 0.65       | 100    | 0.1         | 10      | 4                        |                            |
|                        | DS462                    | Do-35   | A-1         | 200                              | 200     | 600      | 1.0                                | 0.80       | 200    | 0.5         | 10      | 60                       |                            |
|                        | GMA01U                   | Do-34   | A-2         | 100                              | 120     | 360      | 1.5                                | 0.68       | 100    | 5           | 10      | 4                        |                            |
|                        | GMB01U                   | Do-34S  | A-3         | 100                              | 120     | 360      | 1.5                                | 0.68       | 100    | 5           | 10      | 4                        |                            |
|                        | GMA02                    | Do-34   | A-2         | 220                              | 200     | 625      | 200                                | 1.5        | 220    | 10          | 20      | 75                       |                            |
| Low leakage            | DS441                    | Do-35   | A-1         | 30                               | 100     | 300      | 100                                | 1.3        | 30     | 0.01        | -       | -                        |                            |
| Surface mounting type  | DCA010(W5)               | CP      | C-1         |                                  |         |          |                                    |            |        |             |         |                          | Anode common               |
|                        | DCB010(W6)               | CP      | C-2         | 80                               | 100     | 300      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | Cathode common             |
|                        | DCC010(W7)               | CP      | C-3         |                                  |         |          |                                    |            |        |             |         |                          | Series                     |
|                        | DCD010(W1)               | CP      | C-3         | 20                               | 100     | 200      | 10                                 | 1.0        | 15     | 0.1         | -       | -                        | Series C max=4pF           |
|                        | DSA010(W1)               | CP      | C-4         |                                  |         |          |                                    |            |        |             |         |                          |                            |
|                        | DSB010(W2)               | CP      | C-5         | 80                               | 100     | 300      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | Single                     |
|                        | DSC010(W3)               | CP      | C-6         |                                  |         |          |                                    |            |        |             |         |                          |                            |
|                        | DSC015(A7)               | CP      | C-5         | 200                              | 150     | 400      | 100                                | 1.0        | 200    | 0.5         | 10      | 200                      | Single                     |
|                        | DSD010(W4)               | CP      | C-7         | 80                               | 100     | 300      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | Single                     |
|                        | DSD015(A8)               | CP      | C-5         | 300                              | 150     | 400      | 100                                | 1.0        | 300    | 0.5         | 10      | 200                      | Single                     |
|                        | DSE010(C)                | MCP     | B           | 80                               | 100     | 225      |                                    |            |        |             |         |                          | Two terminal outline       |
|                        | DCF010(W5)               | MCP     | D           | 80                               | 100     | 300      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | Anode common               |
|                        | DCG010(W6)               | MCP     | D           |                                  |         |          |                                    |            |        |             |         |                          | Cathode common             |
|                        | DCJ010(W1)               | MCP     | D           | 20                               | 100     | 200      | 10                                 | 1.0        | 15     | 0.1         | -       | -                        | Series C max=4pF           |
|                        | DCG10(PB)                | PCP     | G           | 200                              | 1000    | 2000     | 1000                               | 1.3        | 200    | 10.0        | 1000    | 300                      | Cathode common (Twin type) |
|                        | DCH10(PC)                | PCP     | G           |                                  |         |          |                                    |            |        |             |         |                          | Anode common               |
|                        | LFB01                    | LL-34   | E           | 80                               | 150     | 480      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | MELF(Leadless)             |
|                        | LFB01L                   | LL-34   | E           | 50                               | 150     | 480      | 100                                | 1.2        | 50     | 0.5         | 10      | 4                        | MELF(Leadless)             |
|                        | FC901                    | CP-6    | F           |                                  |         |          |                                    |            |        |             |         |                          | Anode common               |
|                        | FC902                    | CP-6    | F           | 80                               | 100     | 300      | 100                                | 1.2        | 80     | 0.5         | 10      | 4                        | Cathode common             |
| FC903                  | CP-6                     | F       |             |                                  |         |          |                                    |            |        |             |         | Separated type           |                            |

### Outlines

(unit:mm)



These specifications are subject to change without notice.