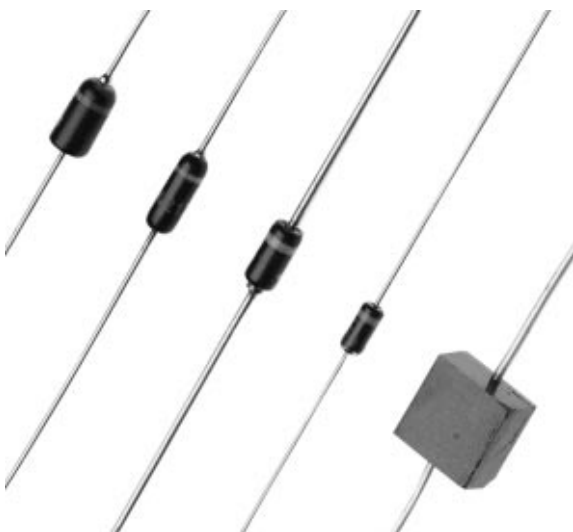


## Wire Ended PIN Diodes

DO-35 glass packaged diodes designed for RF switches, modulators and attenuators. Devices can be supplied with specific resistance current laws. This series includes versions optimised for low loss, long lifetime and fast switching.

- Low resistance
- Low capacitance
- High breakdown voltage
- Frequency range 1 MHz upwards
- Mesa and planar versions available

| Type    | Minimum voltage at $I_R = 10 \mu A$ (V) | Capacitance at 1 MHz   |                     | Series resistance at 40 MHz    |                      | Lifetime ( $\mu s$ ) |
|---------|-----------------------------------------|------------------------|---------------------|--------------------------------|----------------------|----------------------|
|         |                                         | Total capacitance (pF) | Reverse voltage (V) | Series resistance ( $\Omega$ ) | Forward current (mA) |                      |
| DC2825E | 200                                     | 0.4                    | 50                  | 1.0                            | 100                  | 0.5                  |
| DC2839  | 250                                     | 0.4                    | 50                  | 1.8                            | 30                   | 1.0                  |
| DC2840E | 250                                     | 0.3                    | 100                 | 1.0                            | 100                  | 0.5                  |
| DC2841E | 200                                     | 0.4                    | 100                 | 1.5                            | 100                  | 0.5                  |
| DC2842E | 200                                     | 0.25                   | 100                 | 2.0                            | 100                  | 0.5                  |
| DC2843E | 100                                     | 0.4                    | 100                 | 1.0                            | 100                  | 0.3                  |
| DC2844E | 100                                     | 0.4                    | 100                 | 1.5                            | 100                  | 0.3                  |
| DC2845E | 150                                     | 0.3                    | 100                 | 3.5                            | 100                  | 2.0                  |
| DC2846E | 150                                     | 0.4                    | 100                 | 2.5                            | 100                  | 2.0                  |
| DC2847E | 100                                     | 0.3                    | 50                  | 2.0                            | 25                   | 0.5                  |
| DC2848E | 100                                     | 0.4                    | 50                  | 1.2                            | 100                  | 0.5                  |
| DC2849E | 100                                     | 0.4                    | 50                  | 3.5                            | 100                  | 2.0                  |
| DC2850E | 35                                      | 1.2                    | 20                  | 0.8                            | 5                    | 0.05                 |



Outlines 14, 07, 35, 10