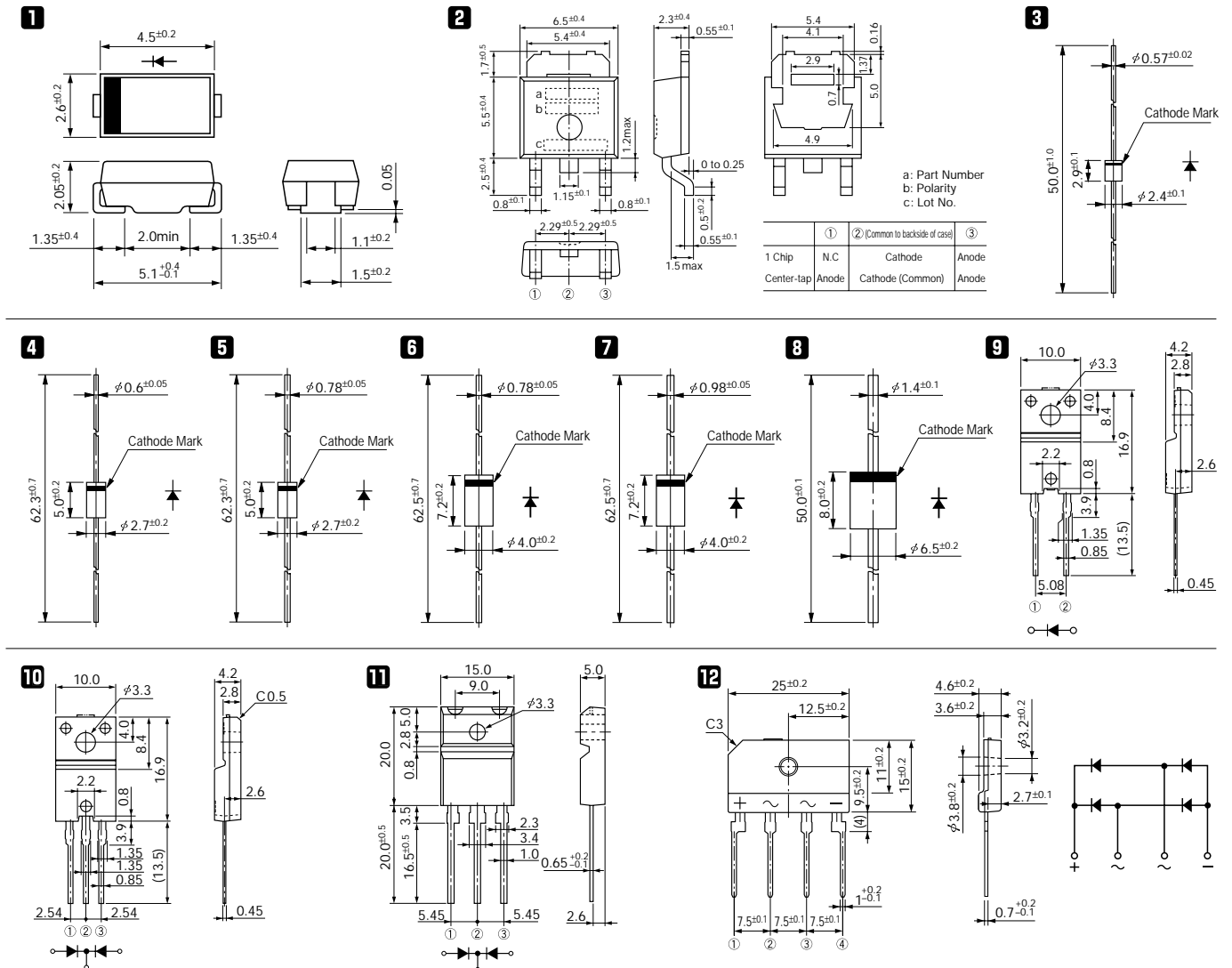


# Schottky Barrier Diodes 60V

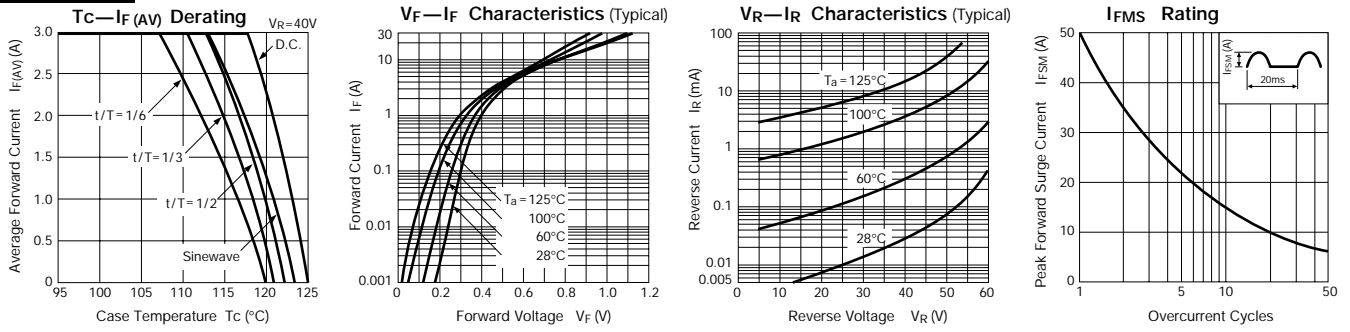
| V <sub>RM</sub> (V) | Package                  | Part Number | I <sub>F</sub> (AV) (A) | I <sub>FSM</sub> (A)                 | T <sub>J</sub> (°C) | T <sub>stg</sub> (°C) | V <sub>F</sub> (V) max | I <sub>F</sub> (A) | I <sub>R</sub> (mA)                 | I <sub>R</sub> (H) (mA)             | R <sub>th(j-ℓ)</sub> R <sub>th(j-c)</sub> (°C/W) | Mass (g) | Fig. No. | Page where characteristic curve is shown |
|---------------------|--------------------------|-------------|-------------------------|--------------------------------------|---------------------|-----------------------|------------------------|--------------------|-------------------------------------|-------------------------------------|--|----------|----------|--|
|                     |                          |             |                         | 50Hz Half-cycle Sinewave Single Shot |                     |                       |                        |                    | V <sub>R</sub> =V <sub>RM</sub> max | V <sub>R</sub> =V <sub>RM</sub> max |  |          |          |  |
| 60                  | Surface Mount            | SFPB-56     | 0.7                     | 10                                   | -40 to +150         | 0.62                  | 0.7                    | 1                  | 7.5                                 | 100                                 | 20   | 0.072    | 1        | 82                                       |
|                     |                          | SFPW-56     | 1.5                     | 25                                   | -40 to +150         | 0.7                   | 1.5                    | 1                  | 70                                  | 150(T <sub>J</sub> )                | 20   | 0.072    |          | 95                                       |
|                     |                          | SFPB-66     | 2.0                     | 25                                   | -40 to +150         | 0.69                  | 2.0                    | 1                  | 15                                  | 100                                 | 20   | 0.072    |          | 83                                       |
|                     |                          | SFPB-76     | 2.0                     | 40                                   | -40 to +150         | 0.62                  | 2.0                    | 2                  | 20                                  | 100                                 | 20   | 0.072    |          |  |
|                     |                          | SPB-G56S    | 5.0                     | 60                                   | -40 to +150         | 0.7                   | 5.0                    | 3                  | 125                                 | 150                                 | 5  | 0.29     |          | 2  |
|                     | Surface Mount Center-tap | SPB-66S     | 6.0                     | 40                                   | -40 to +150         | 0.7                   | 3.0                    | 1                  | 70                                  | 150                                 | 5  | 0.29     |          |  |
|                     | Axial                    | AK 06       | 0.7                     | 10                                   | -40 to +150         | 0.62                  | 0.7                    | 1                  | 7.5                                 | 100                                 | 22   | 0.13     | 3        | 85                                       |
|                     |                          | EK 06       | 0.7                     | 10                                   | -40 to +150         | 0.62                  | 0.7                    | 1                  | 7.5                                 | 100                                 | 20   | 0.3      | 4        | 86                                       |
|                     |                          | EK 16       | 1.5                     | 25                                   | -40 to +150         | 0.62                  | 1.5                    | 1                  | 15                                  | 100                                 | 17   | 0.3      | 5        |  |
|                     |                          | RK 16       | 1.5                     | 25                                   | -40 to +150         | 0.62                  | 1.5                    | 1                  | 15                                  | 100                                 | 15   | 0.45     | 6        | 87                                       |
|                     |                          | RK 36       | 2.0                     | 40                                   | -40 to +150         | 0.62                  | 2.0                    | 2                  | 20                                  | 100                                 | 12   | 0.6      | 7        | 88                                       |
|                     |                          | RK 46       | 3.5                     | 70                                   | -40 to +150         | 0.62                  | 3.5                    | 3                  | 35                                  | 100                                 | 8  | 1.2      | 8        |  |
| Frame-2Pin          | FMB-G16L                 | 6.0         | 50                      | -40 to +150                          | 0.62                | 5.0                   | 5                      | 50                 | 100                                 | 4                                   | 2.1  | 9        | 89       |  |
| Center-tap          | FMB-26                   | 4.0         | 40                      | -40 to +150                          | 0.62                | 2.0                   | 1                      | 20                 | 100                                 | 4                                   | 2.1  | 10       | 91       |  |
|                     | FMB-26L                  | 10          | 50                      | -40 to +150                          | 0.62                | 5.0                   | 2.5                    | 50                 | 100                                 | 4                                   | 2.1  |          |          |  |
|                     | FME-2106                 | 10          | 60                      | -40 to +150                          | 0.72                | 5.0                   | 1                      | 35                 | 150(T <sub>J</sub> )                | 4                                   | 2.1  |          | 95       |  |
|                     | FMB-36                   | 15          | 100                     | -40 to +150                          | 0.62                | 7.5                   | 5                      | 75                 | 100                                 | 2                                   | 5.5  | 11       | 94       |  |
|                     | FMB-2206                 | 20          | 150                     | -40 to +150                          | 0.7                 | 10.0                  | 8                      | 275                | 150                                 | 4                                   | 2.1  | 10       | 91       |  |
|                     | FMB-2306                 | 30          | 150                     | -40 to +150                          | 0.7                 | 15                    | 8                      | 400                | 150(T <sub>J</sub> )                | 4                                   | 2.1  |          | 92       |  |
|                     | FMB-36M                  | 30          | 150                     | -40 to +150                          | 0.62                | 15.0                  | 10                     | 150                | 100                                 | 2                                   | 5.5  | 11       | 94       |  |
| Bridge              | RBV-406B                 | 4.0         | 40                      | -40 to +150                          | 0.62                | 2.0                   | 2                      | 20                 | 100                                 | 5                                   | 4.25   | 12       | 95       |  |

## External Dimensions Flammability: UL94V-0 or Equivalent (Unit: mm)

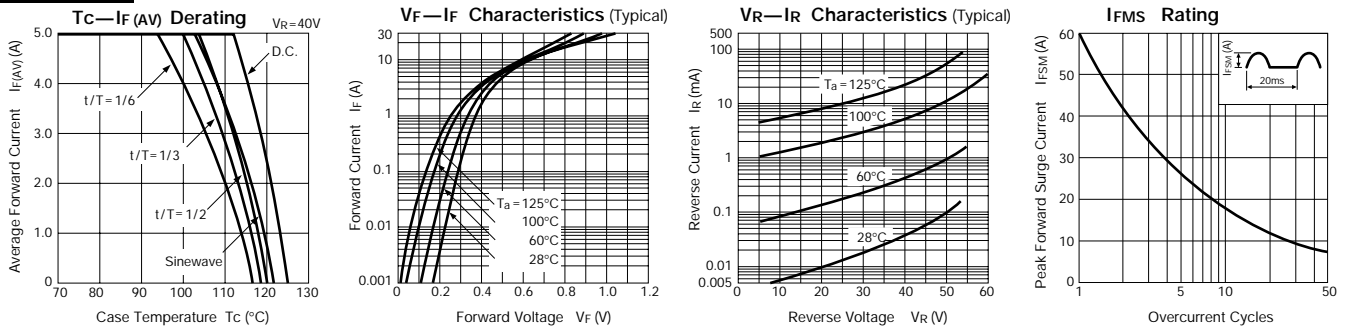


# Characteristic Curves Schottky Barrier Diodes

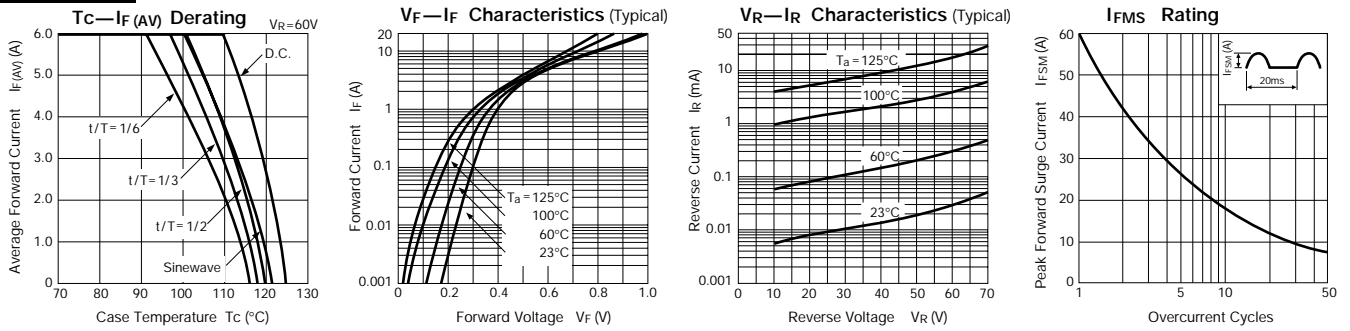
## SPB-G34S



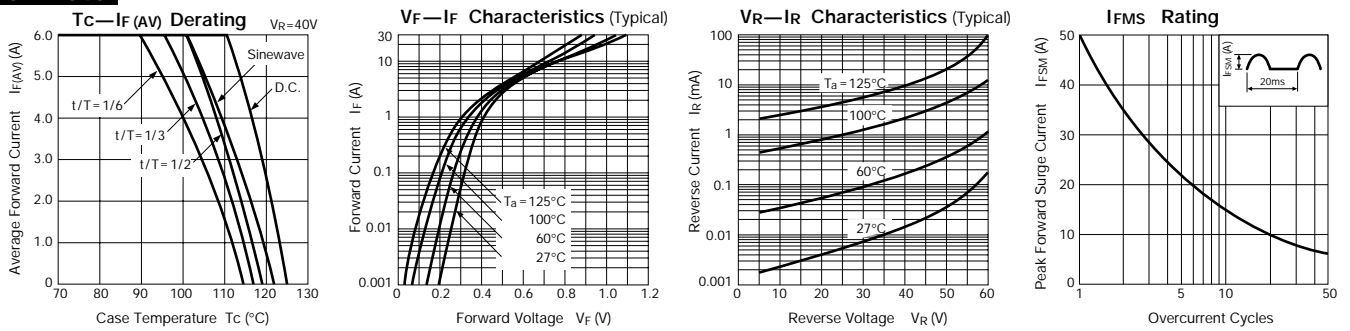
## SPB-G54S



## SPB-G56S



## SPB-64S



## SPB-66S

