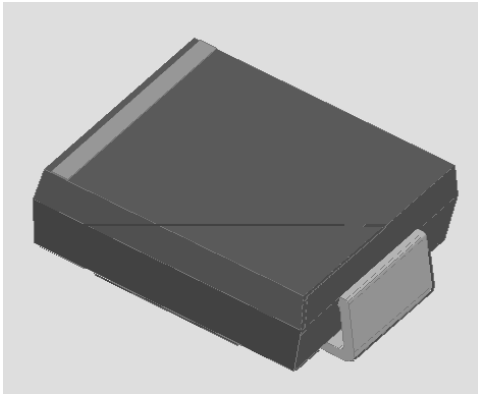
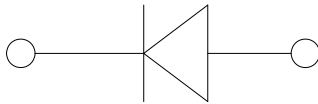


## Surface Mount Schottky Rectifier



### Features

- Guardring for overvoltage protection
- Low power losses
- Extremely fast switching
- High forward surge capability
- High frequency operation
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Part no. with suffix "Q" means AEC-Q101 u "H002 and JESD22-B102
- **Polarity:** Color band denotes the cathode end



### ■Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified

| PARAMETER           | SYMBOL | UNIT | SS36Q |
|---------------------|--------|------|-------|
| Device marking code |        |      | SS36  |

@60Hz half-sine wave,1 cycle, T

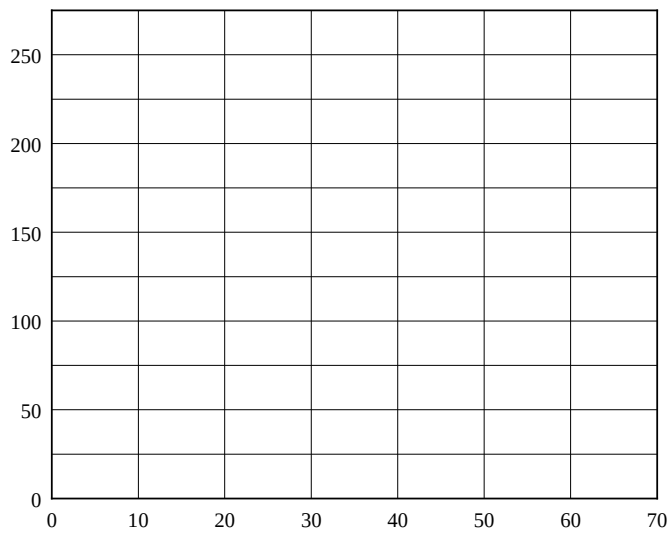
|                                                |                  |      |           |
|------------------------------------------------|------------------|------|-----------|
| $T_j=25$                                       | $I_{FSM}$        | A    | 80        |
| Voltage rate of change (rated V <sub>R</sub> ) | dV/dt            | V/μs | 10000     |
| Storage temperature                            | T <sub>stg</sub> |      | -55 ~+ 50 |
| Junction temperature                           | T <sub>j</sub>   |      | -55 ~+ 50 |

### ■Electrical Characteristics T<sub>a</sub>=25 Unless otherwise specified

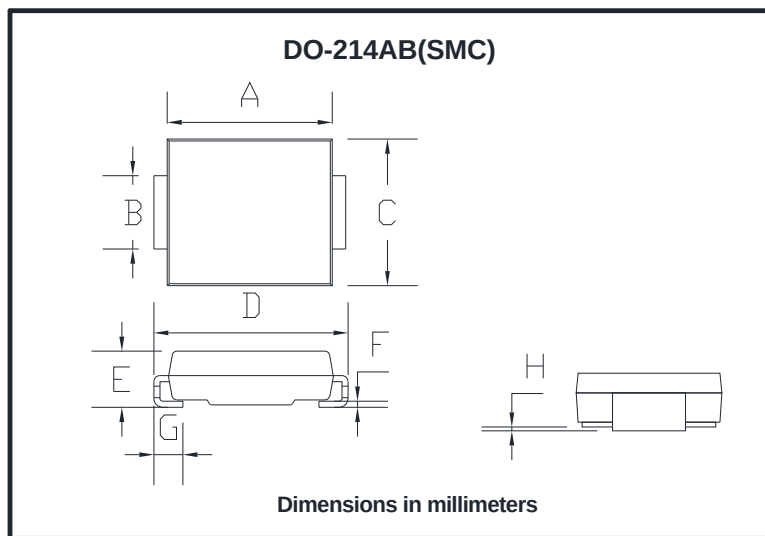
| PARAMETER                     | SYMBOL         | TEST CONDITIONS    | TYP                 | MAX  | UNIT |
|-------------------------------|----------------|--------------------|---------------------|------|------|
| Instantaneous forward voltage | V <sub>F</sub> | I <sub>F</sub> =3A | T <sub>j</sub> =25  | 0.6  | V    |
|                               |                |                    | T <sub>j</sub> =125 | 0.54 |      |
|                               |                |                    |                     | 0.7  |      |
|                               |                |                    |                     | 0.63 |      |

|  |   |                           |     |   |    |
|--|---|---------------------------|-----|---|----|
|  | J | V <sub>R</sub> =4V,f=1MHz | 135 | - | pF |
|--|---|---------------------------|-----|---|----|





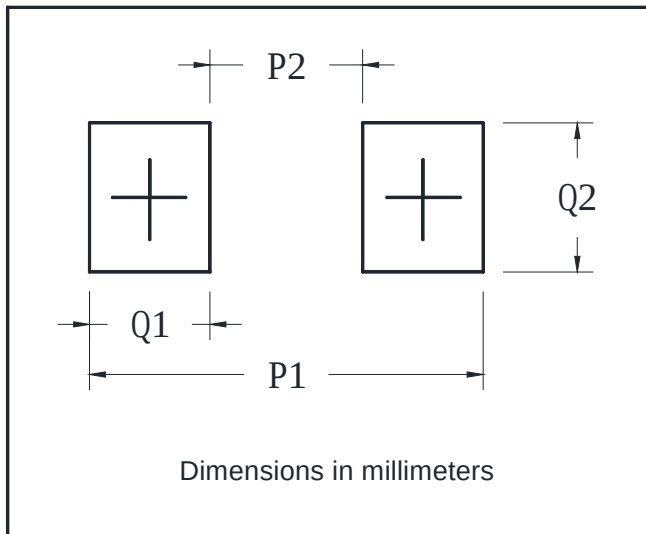
## ■ Outline Dimensions



| DO-214AB (SMC) |      |      |
|----------------|------|------|
| Dim            | Min  | Max  |
| A              | 6.60 | 7.11 |
| B              | 2.85 | 3.27 |
| C              | 5.59 | 6.22 |
| D              | 7.75 | 8.13 |
| E              | 1.99 | 2.61 |
| F              | 0.15 | 0.31 |
| G              | 0.76 | 1.52 |
| H              | 0.05 | 0.20 |



✓ Suggested pad layout



| Dim | Typ  |
|-----|------|
| P1  | 9.9  |
| P2  | 3.84 |
| Q1  | 3.03 |
| Q2  | 3.82 |

■ Ordering Information (Example)

| PREFERRED P/N | PACKAGE CODE | UNIT WEIGHT(g)    | MINIMUM PACKAGE(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|---------------|--------------|-------------------|----------------------|----------------------------|---------------|
| SS36Q         | F1           | Approximate 0.254 | 3000                 | 42000                      | 13" reel      |



## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design.