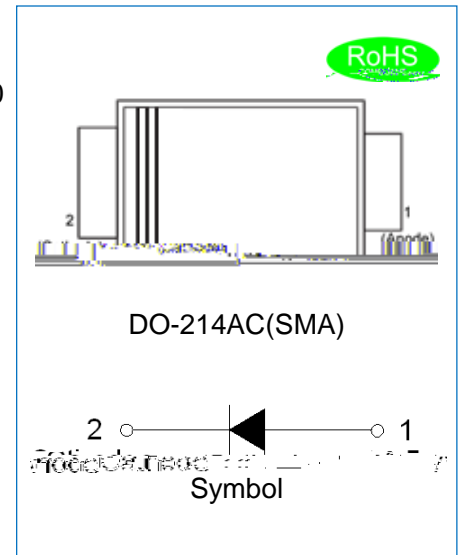


- Plastic package has underwriters laboratory flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Glass passivated chip junction
- Lead free in comply with EU RoHS 2011/65/EU directives
- Super fast recovery time

### MECHANICAL DATA

- Case: JEDEC DO-214AC molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end
- Weight: 0.0673 gram



### ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 °C ambient temperature unless otherwise specified.)

| Parameter  | Symbol         | ES2GA       | ES2JA | Unit    |
|--|----------------|-------------|-------|---------|
| Maximum repetitive peak reverse voltage  | $V_{RRM}$      | 400         | 600   | V       |
| Maximum RMS voltage  | $V_{RMS}$      | 280         | 420   | V       |
| Maximum DC blocking voltage  | $V_{DC}$       | 400         | 600   | V       |
| Maximum average forward current at $T_L=110$                                       | $I_{F(AV)}$    | 2.0         |       | A       |
| Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load | $I_{FSM}$      | 50          |       | A       |
| Maximum forward voltage @ $I_F=2.0A$   | $V_F$          | 1.3         | 1.7   | V       |
| Maximum DC reverse current at rated DC blocking voltage                            | $T_j=25$       | 5.0         |       | $\mu A$ |
|  | $T_j=150$      | 300         |       |         |
| Typical junction capacitance<br>$V_R=4.0V, f=1MHz$                                 | $C_J$          | 16          |       | pF      |
| Operating junction and storage temperature range                                   | $T_j, T_{stg}$ | -55 to +150 |       |         |
| Maximum reverse recovery time<br>$I_F=0.5A, I_R=1A, I_{rr}=0.25A$                  | $t_{rr}$       | 35          |       | ns      |





CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics (25 )

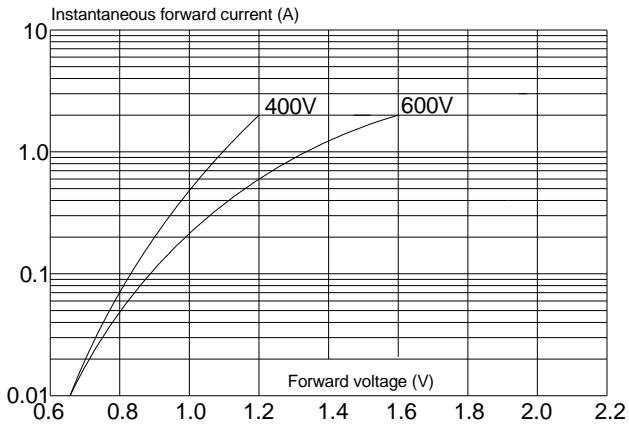


FIG.2: Typical reverse characteristics

