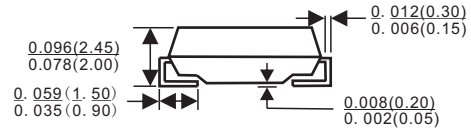
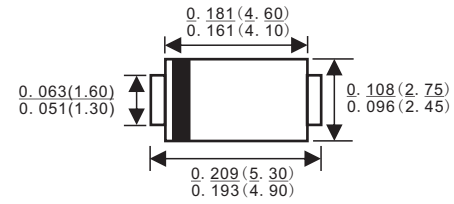




SMA/DO-214AC

Features

- ✦ Nominal Current
- ✦ Repetitive peak reverse voltage
- ✦ Plastic case
- ✦ Weight approx.
- ✦ Plastic material has UL classification 94V-0
- ✦ Standard packaging taped and reeled



Dimensions in inches and(millimeters)

Maximum ratings

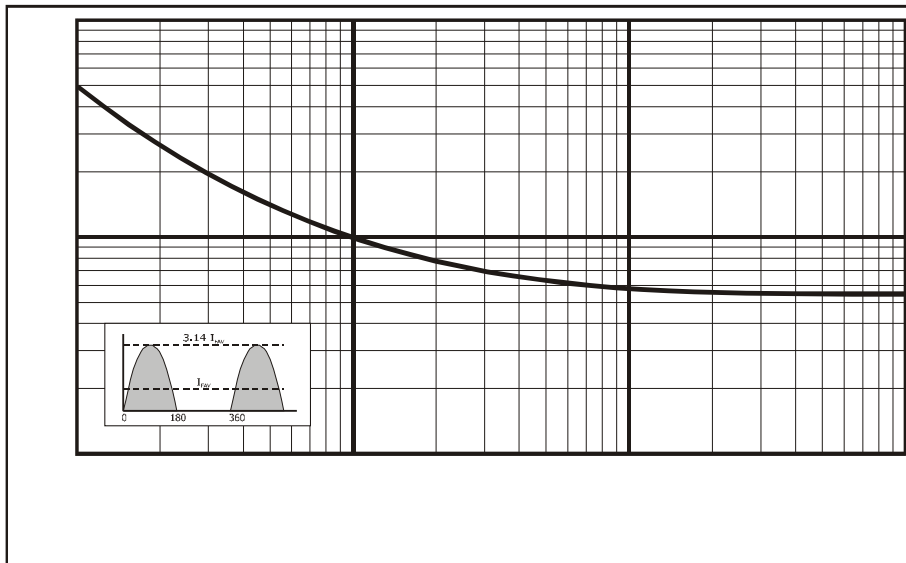
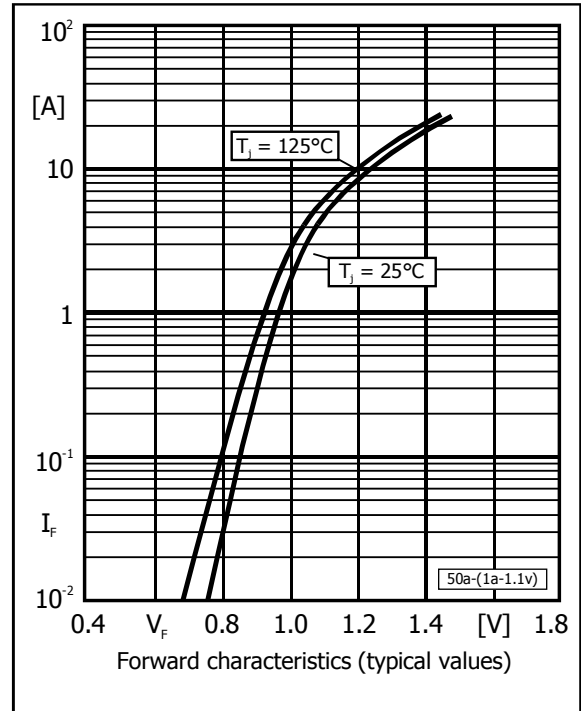
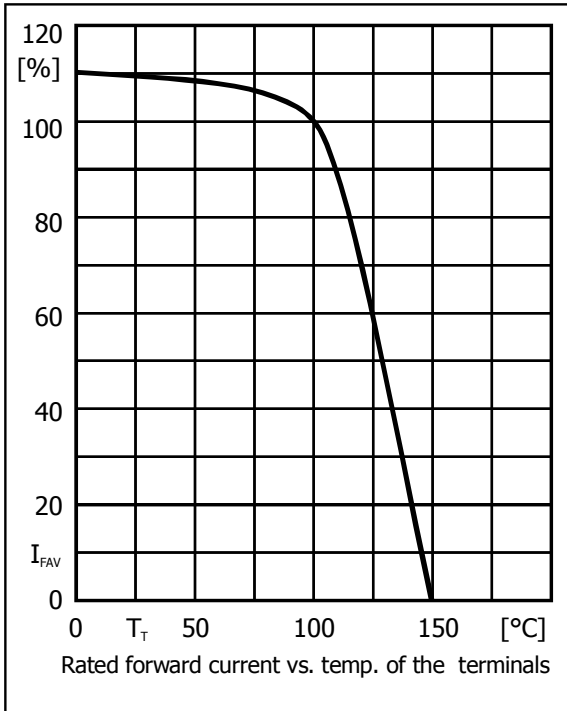
| Type | Marking code | Repetitive peak reverse voltage V_{RRM} [V] | Surge peak reverse voltage V_{RSM} [V] |
|------|--------------|--|---|
| S2AA | S2A | 50 | 50 |
| S2BA | S2B | 100 | 100 |
| S2DA | S2D | 200 | 200 |
| S2GA | S2G | 400 | 400 |
| S2JA | S2J | 600 | 600 |
| S2KA | S2K | 800 | 800 |
| S2MA | S2M | 1000 | 1000 |
| S2TA | S2T | 1300 | 1300 |
| S2WA | S2W | 1600 | 1600 |
| S2XA | S2X | 1800 | 1800 |
| S2YA | S2Y | 2000 | 2000 |

| | | | |
|---|---------------------------|-----------|---------------------|
| Max. average forward rectified current, R-load | $T_T = 100^\circ\text{C}$ | I_{FAV} | 2 A |
| Repetitive peak forward current | $f > 15$ Hz | I_{FRM} | 10 A ¹⁾ |
| Peak forward surge current, 50/60 Hz half sine-wave | $T_A = 25^\circ\text{C}$ | I_{FSM} | 50/55 A |
| Rating for fusing, $t < 10$ ms | $T_A = 25^\circ\text{C}$ | i^2t | 12 A ² s |
| Junction temperature | | T_j | -50...+150°C |
| Storage temperature | | T_s | -50...+150°C |



Characteristics

| | | | | |
|--|---------------------------|--------------------|-------|----------------------------------|
| Forward voltage | $T_j = 25^\circ\text{C}$ | $I_F = 2\text{ A}$ | V_F | < 1.15 V |
| Leakage current Sperrstrom | $T_j = 25^\circ\text{C}$ | $V_R = V_{RRM}$ | I_R | < 5 μA |
| | $T_j = 100^\circ\text{C}$ | $V_R = V_{RRM}$ | I_R | < 100 μA |
| Thermal resistance junction to ambient air | | | | R_{thA} < 50 K/W ¹⁾ |
| Thermal resistance junction to terminal | | | | R_{thT} < 15 K/W |



| PACKAGE | SPQ/PCS | CARTON SPQ/PCS | CARTON SIZE/CM | CARTON GW/KG | CARTON NW/KG |
|---------|-----------|-------------------|-------------------|-----------------|-----------------|
| SMA | 5000/REEL | 80000 | 36X30.6X31 | 12.00 | 11.00 |