| SS400-AU | |
|--|---------------|
| urface Mount Switching Diodes | |
| Voltage 100 V Power 175 mW | SOD-523 |
| Features | |
| Fast switching speed. | |
| Very low leakage current | |
| Low capacitance | PRIME |
| Surface mount package Ideally Suited for Automatic | |
| insertion | |
| AEC-Q101 qualified | |
| Lead free in compliance with EU RoHS 2.0 | |
| Green molding compound as per IEC 61249 standard | |
| Mechanical Data | |
| Case: SOD-523 Package | |
| Terminals: Solderable per MIL-STD-750, Method 2026 | 00 |
| Approx. Weight: 0.0014 grams | Cathode Anode |

Maximum Ratings and Thermal Characteristics (T_A = 25 °C unless otherwise noted)

| PARAMETER | | SYMBOL | LIMIT | UNITS |
|--|---------------|------------------|---------|-------|
| Reverse Voltage | | VR | 100 | V |
| Peak Reverse Voltage | | V _{RM} | 100 | V |
| Maximum Average Forward Current | | IF(AV) | 225 | mA |
| Non-repetitive Peak Forward Current | tp = 0.001 ms | IFSM | 4 | А |
| Power Dissipation ^(Note 1) | | PD | 175 | mW |
| Typical Junction Capacitance Measured at 1 MHZ And Applied $V_R = 0$ | V | CJ | 1 | pF |
| Typical Thermal Resistance ^(Note 1) | | R _{0JA} | 710 | °C/W |
| Operating Junction Temperature Range | | TJ | -55~150 | °C |
| Storage Temperature Range | | T _{STG} | -55~150 | °C |



Electrical Characteristics (T_A = 25 °C unless otherwise noted)

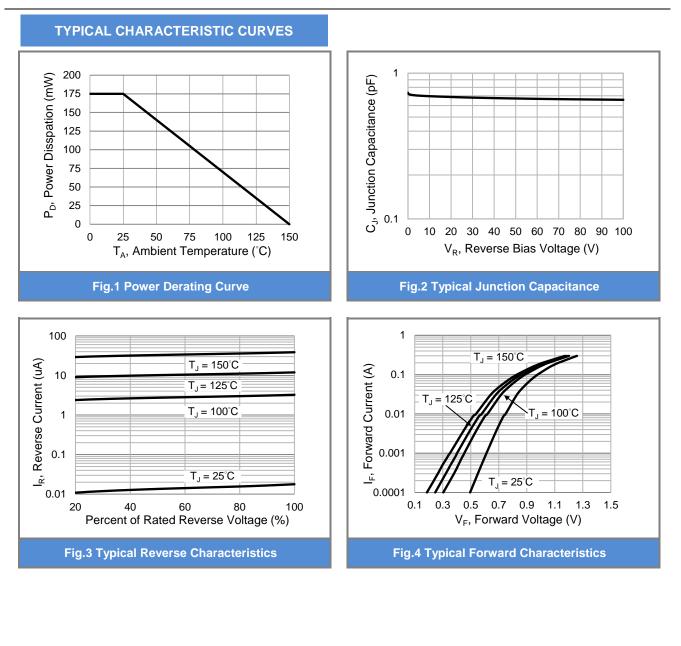
| PARAMETER | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNITS |
|--|-----------------|---|------|------|------|-------|
| Forward Voltage | VF | I⊧ = 100 mA, TJ = 25 °C | - | - | 1.2 | V |
| Reverse Current | I _R | V _R = 80 V, T _J = 25 °C | - | - | 0.1 | uA |
| Maximum Reverse Recovery Time ^(Note 2) | T _{RR} | | - | - | 4 | ns |

NOTES :

1. Mounted on a FR4, single-sided copper, with 114 x 76mm PCB.

2. Test Condition : I_F=10mA to I_R=10mA, Recovery to 1mA, R_L=100 Ω .



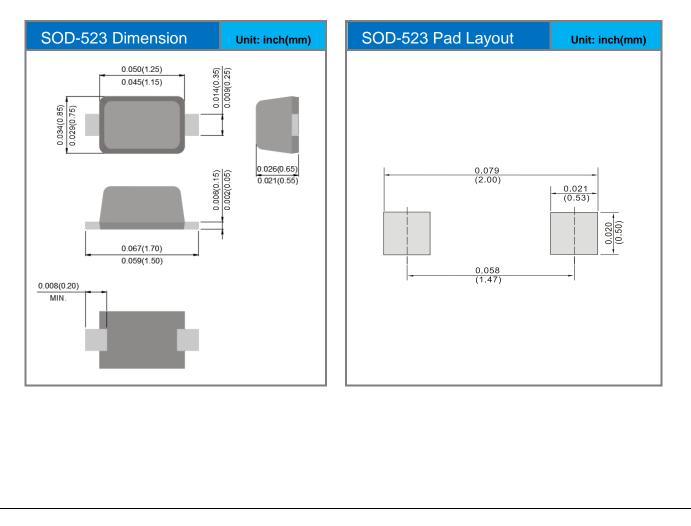




Product and Packing Information

| Part No. | Package Type | Packing Type | Marking |
|-----------|--------------|------------------|---------|
| 1SS400-AU | SOD-523 | 5K pcs / 7" reel | 14 |

Packaging Information & Mounting Pad Layout





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