

RKS1510DKJ

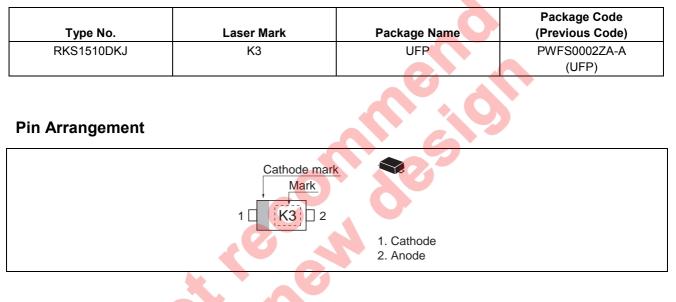
Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G0537-0100 Rev.1.00 Feb 23, 2005

Features

- Low capacitance. (C = 0.8 pF max)
- Low forward resistance. (rf = $0.7 \Omega \text{ max}$)
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

Ordering Information





Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

| Item | Symbol | Value | Unit |
|----------------------|----------------|-------------|------|
| Reverse voltage | V _R | 35 | V |
| Power dissipation | Pd | 150 | mW |
| Junction temperature | Tj | 125 | °C |
| Storage temperature | Tstg | –55 to +125 | °C |

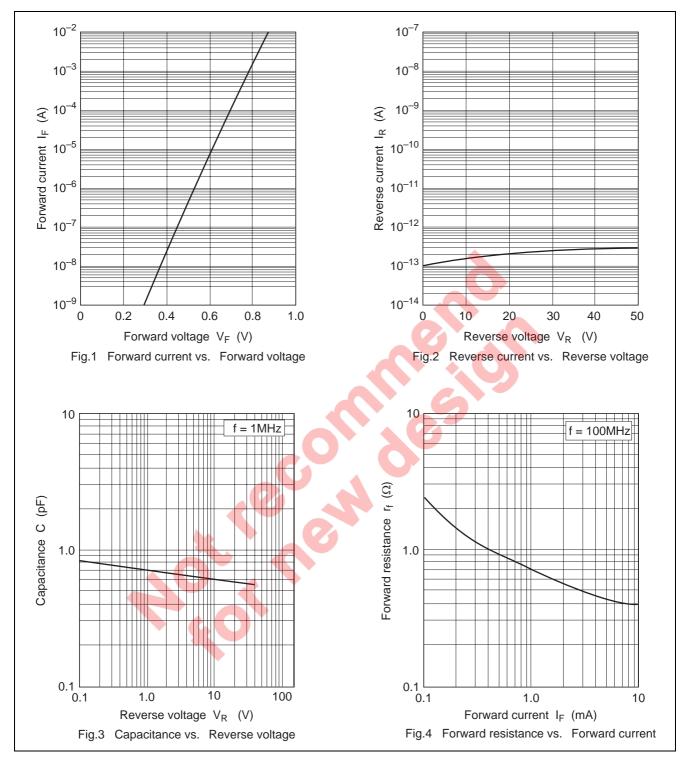
Electrical Characteristics

 $(Ta = 25^{\circ}C)$

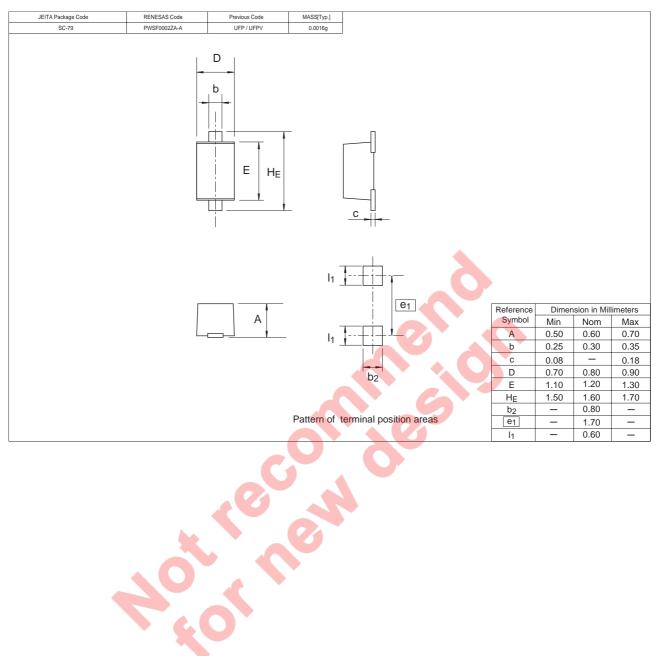
| ltem | Symbol | Min | Тур | Max | Unit | Test Condition |
|--------------------|----------------|-----|-----|-----|------|------------------------------------|
| Reverse current | I _R | _ | | 50 | nA | V _R = 25 V |
| Forward voltage | V _F | _ | _ | 1.0 | V | J _F = 10 mA |
| Capacitance | С | _ | - | 0.8 | рF | V _R = 6 V, f = 1 MHz |
| Forward resistance | r _f | | | 0.7 | Ω | I _F = 2 mA, f = 100 MHz |



Main Characteristic



Package Dimensions





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