

RKS151KK

Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G1295-0100 Rev.1.00 Nov 07, 2005

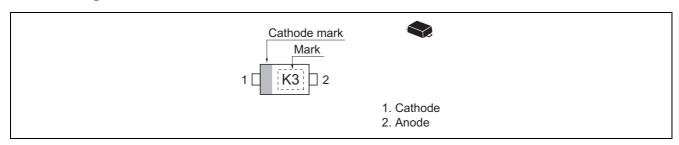
Features

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

Ordering Information

| Type No. | Laser Mark | Package Name | Package Code (Previous Code) |
|----------|------------|--------------|---------------------------------|
| RKS151KK | K3 | SFP | PUSF0002ZB-A |
| | | | (SFP) |

Pin Arrangement



Absolute Maximum Ratings

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

| 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

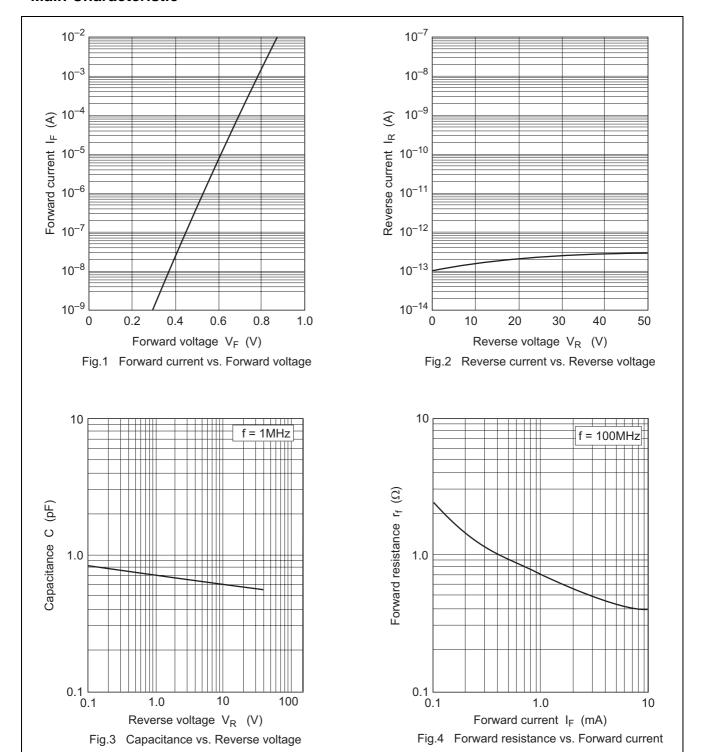
 $(Ta = 25^{\circ}C)$

| Item | Symbol | Min | Тур | Max | Unit | Test Condition |
|--------------------|----------------|-----|-----|-----|------|--|
| Reverse current | I _R | _ | _ | 50 | nA | V _R = 25 V |
| Forward voltage | V _F | _ | _ | 1.0 | V | I _F = 10 mA |
| Capacitance | С | _ | _ | 0.8 | pF | $V_R = 6 \text{ V}, f = 1 \text{ MHz}$ |
| Forward resistance | r _f | _ | _ | 0.7 | Ω | I _F = 2 mA, f = 100 MHz |

Note: 1. For SFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

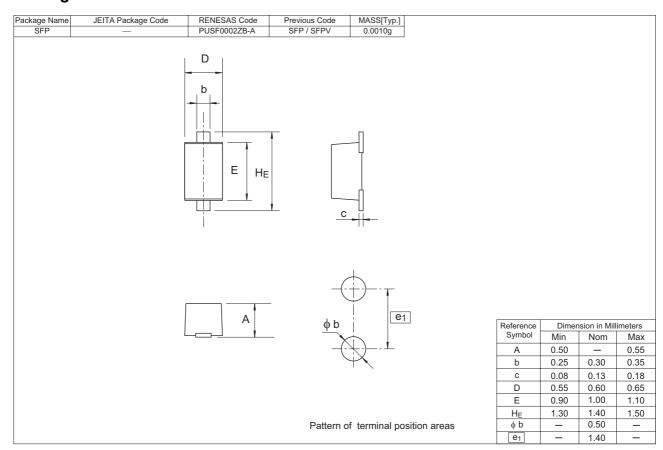


Main Characteristic



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Package Dimensions



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