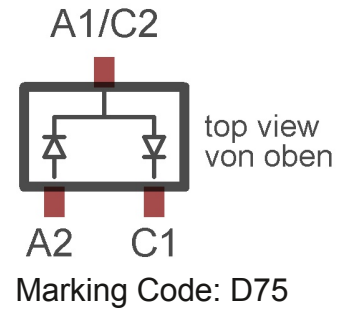


Datasheet

BA579S

Dual PIN Silicon Diode

the BA579S is a current controlled resistor for variable attenuator applications in the UHF / VHF range as well as for band switching applications featuring very low reverse capacitance.



| Absolute Ratings (Limiting Values) | |
|---|-------------------|
| Continuous Reverse Voltage V_R / V | 30 |
| Forward Current I_F / mA | 20 |
| Junction Temperature T_J / °C | 100 |
| Storage Temperature T_{STG} / °C | -55 to +100 |
| Static Electrical Characteristics | |
| Reverse Current I_R / μ A ($V_R=10V$) | 1 |
| Forward Voltage V_F / V ($I_F=20mA$) | 1 |
| Dynamic Electrical Characteristics | |
| Capacitance C / pF ($V_R=1V$, $f=100MHz$) | 0.35 |
| Capacitance C / pF ($V_R=0V$, $f=900MHz$) | 0.3 |
| Serial Inductance L_S / nH | 2 |
| Serial Resistance R_S / Ω ($I_F=10mA$, $f=100MHz$) | typ 4.5 (max 6.5) |
| Serial Resistance R_S / k Ω ($I_F=10\mu A$, $f=100MHz$) | 1.5 |

ratings and characteristics are given for one diode

| | |
|---------|--------------------|
| Package | TO-236 (1.2x2.9mm) |
|---------|--------------------|

| | | |
|-----------------------|-----------------|-------------------------|
| Version 1.0 - 05/2022 | www.web-bcs.com | Source: Thomson CSF1982 |
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