



DPA05

Diffused Junction Type Silicon Diode PIN Diode for FM/AM Electronic Tuning AGC Drive Use

Use

- AGC output drive of FM/AM electronic tuning IC.

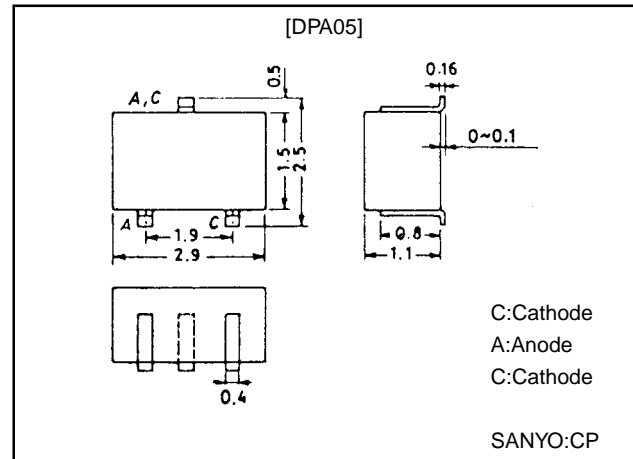
Features

- Especially suited for use in hybrid ICs. Contains two chips connected in series.
- Small interterminal capacitance.
- Reverse Voltage : 50V.
- Forward Current : 50mA.

Package Dimensions

unit:mm

1147



Specifications

Absolute Maximum Ratings at Ta = 25°C

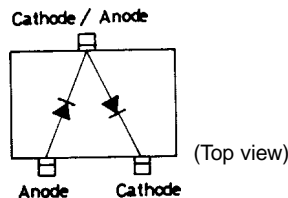
| Parameter | Symbol | Conditions | Ratings | Unit |
|----------------------|-----------|------------|-------------|------|
| Reverse Voltage | V_R | | 50 | V |
| Forward Current | I_F | Ta=25°C | 50 | mA |
| Junction Temperature | T_j | | 125 | °C |
| Storage Temperature | T_{stg} | | -55 to +125 | °C |

Electrical Characteristics at Ta = 25°C

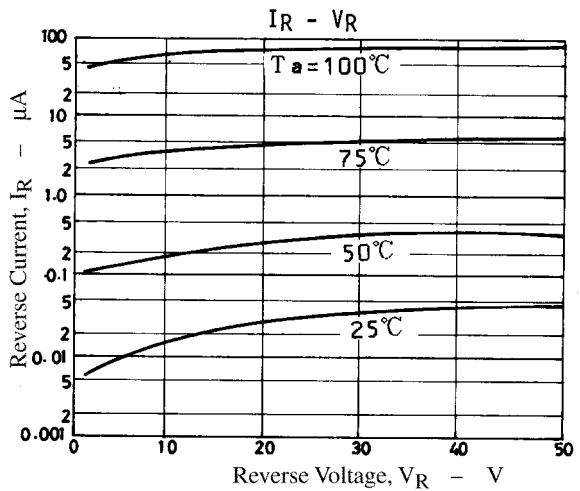
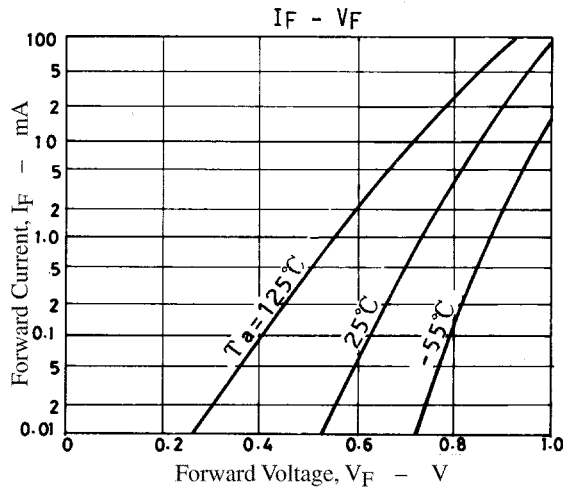
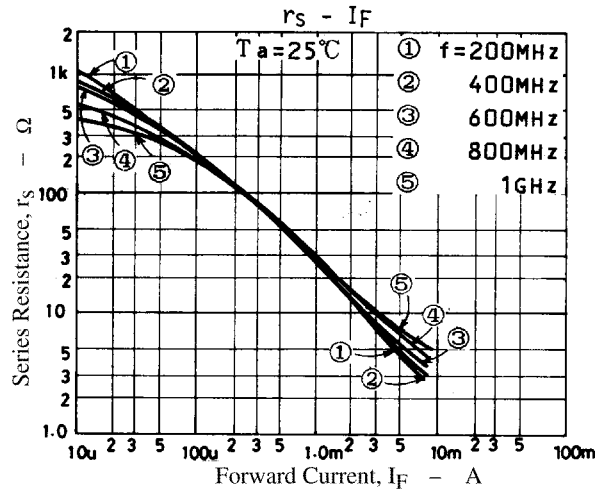
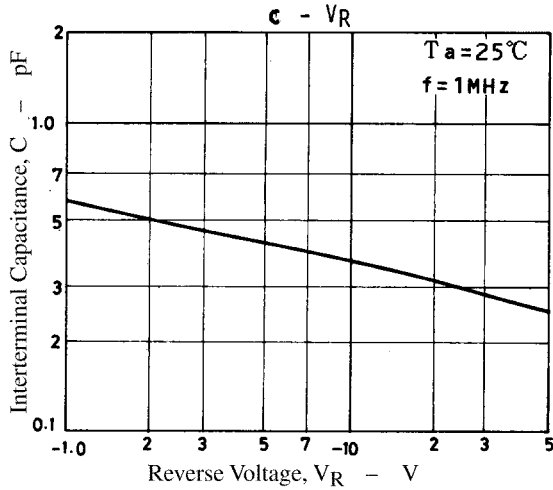
| Parameter | Symbol | Conditions | Ratings | | | Unit |
|---------------------------|--------|------------------------------------|---------|------|-----|---------------|
| | | | min | typ | max | |
| Forward Voltage | V_F | $I_F=50\text{mA}$ | | 0.95 | | V |
| Reverse Current | I_R | $V_R=50\text{V}$ | | | 0.1 | μA |
| Interterminal Capacitance | C | $V_R=50\text{V}$ | | 0.25 | | pF |
| Series Resistance | r_s | $I_F=10\text{mA}, f=100\text{MHz}$ | | 7 | | Ω |

Marking : W9

Electrical Connection



DPA05



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