

Pin diode for AM AGC
AM AGC用ピンダイオード

KP2215S


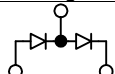
FEATURES

- Included Twin Element
- Excellent Intercept
- Low distortion
- ツインタイプ素子1組搭載
- 優れた2信号特性
- 少ない歪み

ORDERING INFORMATION

- KP2215STL...Storage direction: TL(Left type)
* Part name + Storage direction

PACKAGE OUTLINE

| Part name | Package | Marking | Pin configuration |
|-----------|---|---------|---|
| KP2215S |  SOT23-3 | 215 |  |

ABSOLUTE MAXIMUM RATINGS

| Parameter | 項目 | Symbol 記号 | Rating 定格 | Unit 単位 | Remarks 備考 |
|-----------------------------|--------|-----------|------------|---------|------------|
| Reverse Voltage | 逆方向電圧 | V_R | 40 | V | |
| Forward Current | 順方向電流 | I_F | 50 | mA | |
| Power Dissipation | 許容消費電力 | P_D | 100 | mW | |
| Storage Temperature Range | 保存温度範囲 | T_{STG} | -55 to 150 | °C | |
| Operating Temperature Range | 動作温度範囲 | T_{OP} | -55 to +85 | °C | |

ELECTRICAL CHARACTERISTICS

$T_A=25^\circ\text{C}$

| Parameter 項目 | Symbol 記号 | Value 規格 | | | Units 単位 | Conditions 条件 |
|------------------------|--------------|----------|-----|-----|-------------|------------------------------------|
| | | MIN | TYP | MAX | | |
| Reverse Voltage 逆方向電圧 | V_R | 40 | | | V | $I_R=10\mu\text{A}$ |
| Reverse Current 逆方向電流 | I_R | | | 50 | nA | $V_R=50\text{V}$ |
| Forward Voltage 順方向電圧 | V_F | | | 1.4 | V | $I_F=50\text{mA}$ |
| Diode Capacitance 容量値 | C_j | | 0.3 | 1.0 | pF | $V_R=30\text{V}, f=1\text{MHz}$ |
| Series Resistance 直列抵抗 | R_S | | 14 | 25 | Ω | $I_F=10\text{mA}, f=100\text{MHz}$ |

* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level $20\pm 5\text{mVrms}$)
容量測定器は、Agilent 4279A又は相当品。OSCレベル $20\pm 5\text{mVrms}$ 。

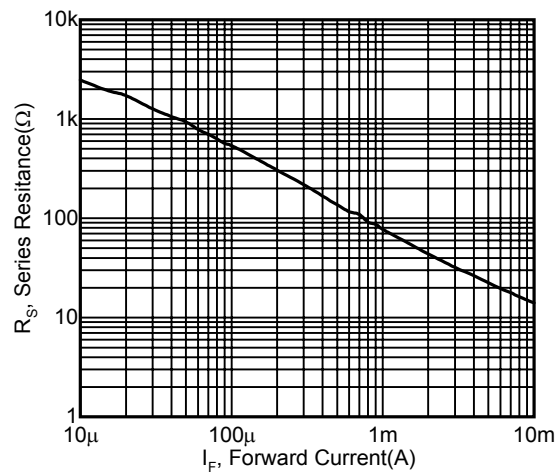
* Resistance meter is Agilent 4291B or equivalent instruments.
直列抵抗測定器は、Agilent 4291B又は相当品。

TYPICAL PREFORAMNCE CHARACTERISTICS

■ Series Resitance versus Forward Current

順方向電流対直列抵抗

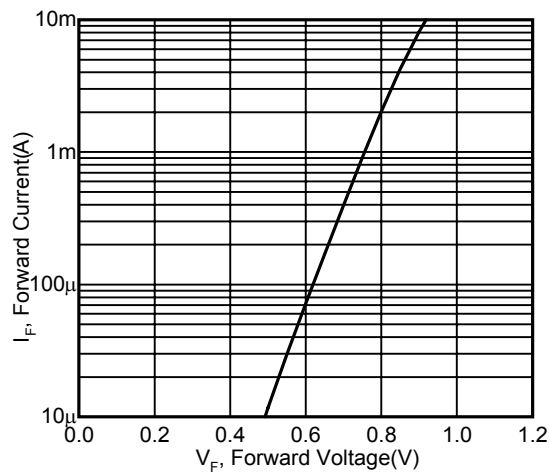
f=100MHz, T_A=25°C



■ Forward Current versus Forward Voltage

順方向電圧対順方向電流

T_A=25°C



- 1
- 2
- 3
- 4
- 5
- 6
- 7**
- 8
- 9
- 10
- 11