

Pin diodes for AM AGC
AM AGC用ピンダイオード

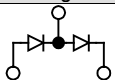
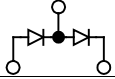
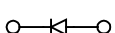
KP2310R/S, KP2311E

FEATURES

- Included Twin Element: KP2310R/S
- Included Single Element: KP2311E
- Excellent Intercept
- Low distortion
- ツインタイプ素子1組搭載: KP2310R/S
- 1素子搭載: KP2311E
- 優れた2信号特性
- 少ない歪み

PACKAGE OUTLINE

ORDERING INFORMATION

Part name	Package	Marking	Pin configuration	Ordering information
KP2310R	 SOT23C-3	30		KP2310RTL...Storage direction: TL(Left type)
KP2310S	 SOT23-3	301		KP2310STL...Storage direction: TL(Left type)
KP2311E	 URD	31		KP2311ETR...Storage direction: TR(Right type)

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		40		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}		-40 to +85		°C			

ELECTRICAL CHARACTERISTICS

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

Parameter 項目	Symbol 記号	Value			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			100	nA	$V_R = 20\text{V}$
Forward Voltage 順方向電圧	V_F			0.85	V	$I_F = 10\text{mA}$
Diode Capacitance 容量値	C_j		0.6	1.0	pF	$V_R = 20\text{V}$, $f = 1\text{MHz}$
Series Resistance 直列抵抗	R_s		3.5	7.0	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 $20 \pm 5\text{mVrms}$ 。

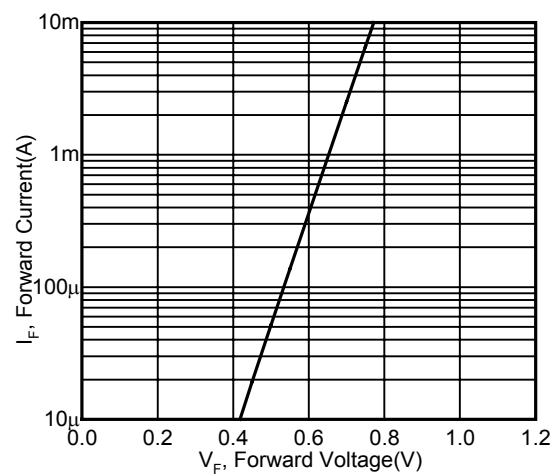
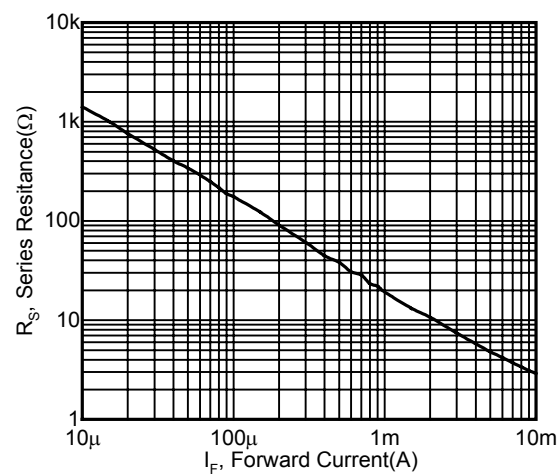
* Resistance meter is Agilent 4291B or equivalent instruments.

直列抵抗測定器は、Agilent 4291B又は相当品。

TYPICAL CHARCTERISTICS

■ Series Resistance 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