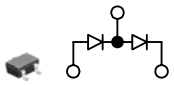
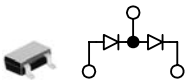
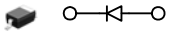
Pin diode for FM / AM AGC
调频/调幅自动增益控制用Pin二极管

KP2310R	KP2310S	KP2311E
(SOT23C-3)	(SOT23-3)	(URD)

FEATURES / 特性

- Included Twin Element: KP2310R, KP2310S
- Included Single Element: KP2311E
- Excellent Intercept
- Low distortion
- 包括两个元件：KP2310R, KP2310S
- 包括单个元件：KP2311E
- 优良截止性
- 低失真度

ABSOLUTE MAXIMUM RATINGS / 绝对最大额定值

Parameter 参数	Symbol 符号	Rating 额定值	Unit 单位	Remarks 备注
Reverse Voltage 反向电压	V_R	40	V	
Forward Current 正向电流	I_F	40	mA	
Power Dissipation 功耗	P_D	100	mW	
Storage Temperature Range 存储温度范围	T_{STG}	-55 to 150	°C	
Operating Temperature Range 工作温度范围	T_{OP}	-40 to +85	°C	

ELECTRICAL CHARCTERISTICS/ 电气特性

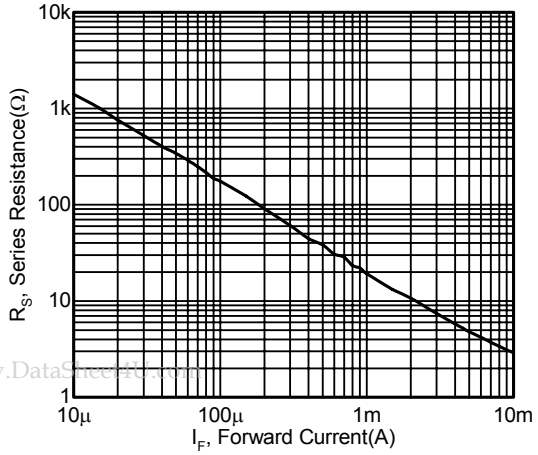
T_A=25°C

Parameter 参数	Symbol 符号	Value/值 MIN 最小	Value/值 TYP 典型	Value/值 MAX 最大	Units 单位	Conditions 条件
Reverse Voltage 反向电压	V_R	40			V	I_R=10μA
Reverse Current 反向电流	I_R			100	nA	V_R=20V
Forward Voltage 正向电压	V_F			0.85	V	I_F=10mA
Diode Capacitance 二极管电容值	C_j		0.6	1.0	pF	V_R=20V, f=1MHz
Series Resistance 串联电阻	R_S		3.5	7.0	Ω	I_F=10mA, f=100MHz

* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level 20±5mVrms)
使用Agilent 4279A或功能相同的仪器（在OSC输出电平20±5mVrms条件下）测量二极管电容值。
* Resistance meter is Agilent 4291B or equivalent instruments.
电阻计为Agilent 4291B或功能相同的仪器。

TYPICAL CHARCTERISTICS/典型特征

■ Series Resistance versus Forward Current
串联电阻对比正向电流 f=100MHz, T_A=25°C



■ Forward Current versus Forward Voltage
正向电流对比正向电压 T_A=25°C