

KP2310, KP2311

Pin Diode for FM/AM AGC FM/AM AGC用ピンダイオード

Feature

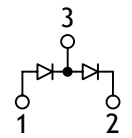

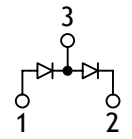

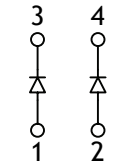

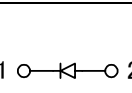

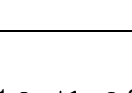

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| <ul style="list-style-type: none"> ■ Various Element Composition <ul style="list-style-type: none"> - Included Twin Element: KP2310R/S - Independent Twin Element: KP2310BR - Included Single Element: KP2311E/K ■ Excellent Intercept ■ Low Distortion ■ Reverse Voltage $V_R=4V$ ■ Forward Current $I_F=40mA$ ■ Operating Temp. Range $T_{OP}=-55$ to $+85^{\circ}C$ | <ul style="list-style-type: none"> ■ 多様な素子構成 <ul style="list-style-type: none"> - ツインタイプ素子1組内蔵: KP2310R/S - 独立2素子内蔵: KP2310BR - 1素子内蔵: KP2311E/K ■ 優れた2信号特性 ■ 少ない歪み ■ 逆方向電圧 $V_R=40V$ ■ 順方向電流 $I_F=40mA$ ■ 動作温度範囲 $T_{OP}=-40\sim+85^{\circ}C$ |
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Electrical Characteristics

Part Name	$V_{R,MAX}$ (V)	Series Resistance $R_S(\Omega)$				Diode Capacitance $C_j(pF)$				Forward Voltage $V_F(V)$	
		Min.	Typ.	Max.	$I_F(mA)$	Min.	Typ.	Max.	$V_R(V)$	Max.	$I_F@$
KP2310	40		3.5	7.0	10 @100 MHz		0.6	1.0	20.0 @1MHz	0.85	10mA
KP2311	40		3.5	7.0	10 @100 MHz		0.6	1.0	20.0 @1MHz	0.85	10mA

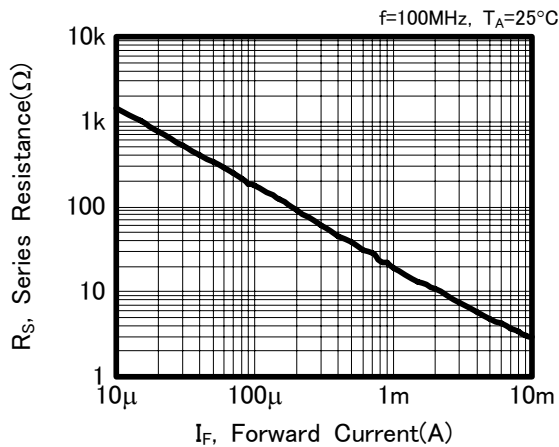
* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level $20\pm 5mVrms$)
 容量測定器は、Agilent 4279A又は相当品。OSCレベル $20\pm 5mVrms$ 。
 * Resistance meter is Agilent 4291B or equivalent instruments.
 直列抵抗測定器は、Agilent 4291B 又は相当品。

Ordering Guide, Pin Layout, Marking

Part Name	Ordering Name	Pin Layout	Marking	Description	Order Size
KP2310	KP2310RTL-G			KP2310: Part Name R: SOT23C-3 Package TR: Tape&Reel, Left -G: PB-Free	3,000 pcs./Reel
KP2310	KP2310STL-G			KP2310: Part Name S: SOT23-3 Package TR: Tape&Reel, Left -G: PB-Free	3,000 pcs./Reel
KP2310	KP2310BRTL-G			KP2310: Part Name B: Independent Type R: SOT23C-4 Package TR: Tape&Reel, Left -G: PB-Free	3,000 pcs./Reel
KP2311	KP2311ETR-G			KP2311: Part Name E: URD Package TR: Tape&Reel, Right -G: PB-Free	3,000 pcs./Reel
KP2311	KP2311KTR-G			KP2311: Part Name K: UFD Package TR: Tape&Reel, Right -G: PB-Free	4,000 pcs./Reel

Typical Characteristics

■ Series Resistance vs. Forward Current
順方向電流対直列抵抗



■ Forward Current vs. Forward Voltage
順方向電圧対順方向電流

