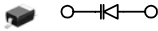
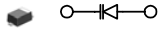


4.5V series variable capacitance diode for communications equipment

4.5V系通信機用電圧可変容量ダイオード



KV1471E
(URD)



KV1471K
(UFD)

FEATURES

- Very Low Operating Voltage: $V_{OP}=1.0$ to 4.5V
- Excellent Linearity of The CV Curve
- Extra Large Capacitance Ratio: $A=5.0$ to
- 低電圧動作: $V_{OP}=1.0\sim 4.5V$
- CV特性の優れた直線性
- 極めて大きな容量変化比: $A=5.0\sim$

CLASSIFICATION

Rank		C		
		1	2	3
C ₁	MIN	30.16	33.30	36.77
	MAX	33.63	37.13	40.99

SELECTION CHARTS

Type	$V_{R,MAX}$ (V)	Capacitance(pF)				Capacitance ratio				$R_{S,MAX}$	C tolerance ΔC_{MAX}	I_F (mA)	P_D (mW)	T_{STG} (°C)	T_{OP} (°C)
		Min.	Typ.	Max.	$V_R(V)$	Min.	Typ.	Max.	$V_R(V)$						
KV1471E	18	30.16 6.20	35.60 7.70	40.99 9.20	1 4.5	5.0			1/5	1.0 @1.5V 100MHz	7	25	-55 to 150	-55 to 85	
KV1471K	18	30.16 6.20	35.60 7.70	40.99 9.20	1 4.5	5.0			1/5	1.0 @1.5V 100MHz	7	25	-55 to 150	-55 to 85	

* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level $20\pm 5mV_{rms}$)

容量測定器は、Agilent 4279A又は相当品。OSCレベル $20\pm 5mV_{rms}$ 。

* Resistance meter is Agilent 4291B or equivalent instruments.

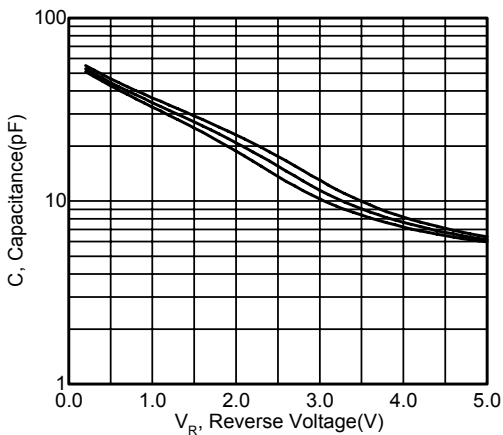
直列抵抗測定器は、Agilent 4291B又は相当品。

TYPICAL CHARACTERISTICS

■ Capacitance versus Reverse Voltage

逆方向電圧対容量

$f=1MHz, T_A=25^\circ C$



■ Series Resistance versus Frequency

周波数対直列抵抗

$V_R=1.5V, T_A=25^\circ C$

