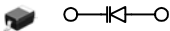
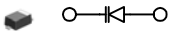


4.5V series variable capacitance diode for communications equipment

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: $V_{OP}=1.0\sim4.5V$

■ 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		1	2	3
C	MIN	30.16	33.30	36.77
C ₁	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±5mVrms)
容量測定器は、Agilent 4279A又は相当品。OSCレベル 20±5mVrms。

* 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

