

6V series variable capacitance diode for communications equipment
6V系通信機用電圧可変容量ダイオード



KV1841E
(URD)

KV1841K
(UFD)

FEATURES

- Very Low Operating Voltage: $V_{OP}=1.0$ to $3.0V$
- Excellent Linearity of The CV Curve
- Extra Large Capacitance Ratio: $A=2.35$ to
- Extra Low Series Resistance: $R_S=0.25\Omega$ (typ.)
- 低電圧動作: $V_{OP}=1.0\sim 3.0V$
- CV特性の優れた直線性
- 極めて大きな容量変化比: $A=2.35\sim$
- 極めて低い直列抵抗: $R_S=0.25\Omega$ (typ.)

CLASSIFICATION

Rank		1	2	3	4
C ₂	MIN	13.50	13.93	14.35	14.78
	MAX	14.23	14.65	15.08	15.50

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)						
KV1841E	18	13.5 6.80	14.5 7.50	15.5 8.30	2 6	2.35			1/6	0.3 @11Pf 470MHz		7	25	-55 to 150	-55 to 85
KV1841K	18	13.5 6.80	14.5 7.50	15.5 8.30	2 6	2.35			1/6	0.3 @11pF 470MHz		7	25	-55 to 150	-55 to 85

* 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 $20\pm 5mVrms$ 。

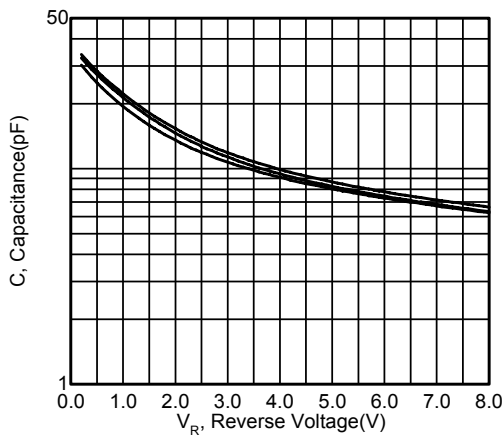
* Resistance meter is Agilent 4291B or equivalent instruments.

直列抵抗測定器は、Agilent 4291B又は相当品。

TYPICAL CHARACTERISTICS

- Capacitance versus Reverse Voltage
逆方向電圧対容量

f=1MHz, T_A=25°C



- Series Resistance versus Frequency
周波数対直列抵抗

V_R=1.5V, T_A=25°C

