

3V series variable capacitance diode for communications equipment
3V系通信機用電圧可変容量ダイオード



TKV1476AS5
(URD)

TKV1476AS6
(UFD)

FEATURES

- Very Low Operating Voltage: $V_{OP}=1.0$ to $3.0V$
- Excellent Linearity of The CV Curve
- Extra Large Capacitance Ratio: $A=2.65$ to
- 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: $A=2.65\sim$

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.						
TKV1476AS5	18	33.30 10.00	35.22 12.00	37.13 14.00	1 3	2.65			1/3	1.0 @1.5V 100MHz	7	25	-55 to 150	-55 to 85
TKV1476AS6	18	33.30 10.00	35.22 12.00	37.13 14.00	1 3	2.65			1/3	1.0 @1.5V 100MHz	7	25	-55 to 150	-55 to 85

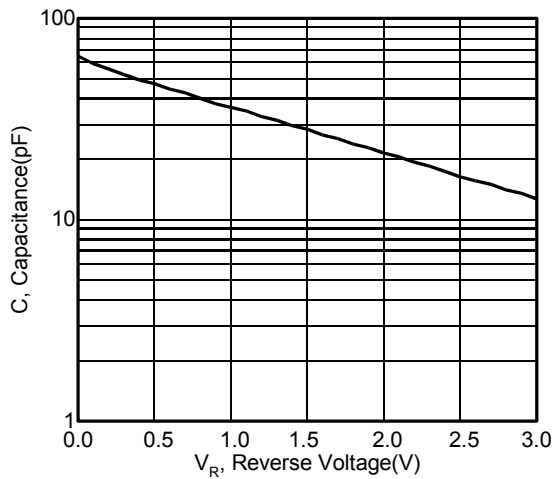
* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level $20\pm 5mV_{rms}$)
 容量測定器は、Agilent 4279A又は相当品。OSCレベル $20\pm 5mV_{rms}$ 。

* 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

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

